

**Attachment 1**

**FOS Level 4 Requirements Reference Table**

**CCR #96-0515B**

**RTM Baseline Version 5/03/96**

**Query Date 5/6/96**

<b>paragraph_id</b>	<b>release</b>	<b>requirement_key</b>	<b>text</b>	<b>clarification</b>	<b>req_type</b>	<b>req_status</b>	<b>verification_method</b>	<b>source_requirement</b>
F-ANA-01025	A	5057	The FOS shall be able to access all system generated statistics data files for analysis.	System generated statistics includes MMM statistics based on orbital, daily, monthly, and mission to date intervals, out of limits information based on daily and monthly intervals, and discrete parameter state change information based on daily and monthly intervals.			test	N
F-ANA-01040	A	1560	The FOS shall be able to access FDF supplied data for analysis.		functional		test	Y
F-ANA-01050	A	1561	The FOS shall be able to access NCC User Performance Data (UPD) for analysis.		functional		test	Y
F-ANA-01060	A	1562	The FOS shall be able to access EDOS Customer Operations and Data Accounting (CODA) messages for analysis.		functional		test	Y
F-ANA-03180	A	5082	The FOS shall provide the capability to process a request for discrete parameter state change statistics data at daily resolution for any time span greater than or equal to one day and up to the lifetime of the mission.		functional		analysis	N
F-ANA-03190	A	5083	The FOS shall provide the capability to process a request for discrete parameter state change statistics data at monthly resolution for any time span greater than or equal to one month and up to the lifetime of the mission.		functional		analysis	N
F-ANA-	A	5086	The FOS shall be able to		functional		analysis	N

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
04025			generate datasets from statistical data.					
F-ANA-04310	A	5065	The FOS shall provide the capability to build ASCII reports from the system generated telemetry MMM statistics data.		standards		analysis	N
F-ANA-05100	A	1623	The FOS shall compute the total number of state changes for each discrete telemetry parameter on a daily basis.		functional		analysis	Y
F-ANA-05110	A	1624	The FOS shall compute the total number of state changes for each discrete telemetry parameter on a monthly basis.		functional		analysis	Y
F-ANA-05120	A	1625	The FOS shall compute the total number of state changes for each discrete telemetry parameter for the life of the mission.		functional		analysis	Y
F-ANA-05130	A	1626	The FOS shall compute the total elapsed time spent in each state for each discrete telemetry parameter on a daily basis.		functional		analysis	Y
F-ANA-05140	A	1627	The FOS shall compute the total elapsed time spent in each state for each discrete telemetry parameter on a monthly basis.		functional		analysis	Y
F-ANA-05150	A	1628	The FOS shall compute the total elapsed time spent in each state for each discrete telemetry parameter for the life of the mission.		functional		analysis	Y
F-CMD-01125	A	1495	The EOC shall be capable of transmitting commands to the EOS spacecraft via EDOS using the GN (Ground Network) in contingency or emergency operations.		interface		demo	Y
F-CMD-01130	A	1496	The EOC shall be capable of transmitting commands to the EOS spacecraft via EDOS using the DSN (Deep Space Network) in contingency or emergency		interface		demo	Y

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			operations.					
F-CMD-01135	A	1497	The EOC shall be capable of transmitting commands to the EOS spacecraft via EDOS using the WOTS (Wallop Orbital Tracking System) in contingency or emergency operations.		interface		demo	Y
F-CMD-01165	A	1499	The EOC shall be capable of transmitting commands to the spacecraft simulator.		interface		demo	Y
F-CMD-01230	A	1500	The EOC shall provide the capability to uplink commands at a rate selected by the user from a set of valid rates.		functional		demo	Y
F-CMD-01250	A	1501	The EOC shall implement command spacing (metering) to maintain the required real time uplink rate.		functional		demo	Y
F-CMD-01320	A	1505	The EOC shall merge spacecraft and instrument commands, and spacecraft and instrument memory loads into one uplink stream.	An active load must be killed before operator commands will be accepted.	functional		demo	Y
F-CMD-02120	A	1512	The EOC shall encase packets within a command link transmission unit (CLTU).	This is specified in CCSDS 202.0-B-2, Telecommand Part 2 Data Routing Service, of November 1991.	functional		test	Y
F-CMD-02125	A	1513	The EOC shall monitor command link control words (CLCWs) from the spacecraft to ascertain status of the command link.	This is specified in CCSDS 202.0-B-1, Telecommand Part 2.1 Command Operation Procedures, of October 1991.	functional		test	Y
F-CMD-03110	B	4982	The EOC shall provide the capability to verify up to four (4) telemetry points prior to command transmission.	<p>The database will specify which commands are to be prerequisite checked, and will provide for specification of a single range of acceptable discrete or analog values for each telemetry point.</p> <p>While prerequisite state checking cannot be performed on commands within a stored command load, the CMS/Planning and Scheduling subsystems do</p>	functional		test	N

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				command constraint check analysis as part of the stored command building process.				
F-CMD-03115	B	1523	The EOC shall allow for overriding (disablement) of prerequisite checking.		functional		test	Y
F-CMD-03125	B	1524	The EOC shall suppress transmission of commands which fail prerequisite checking.		functional		test	Y
F-CMD-03130	B	1525	The EOC shall deem as failing prerequisite check those commands referencing telemetry points that have static data values.	Static data values are values which are not current; no data has been recently received.	functional		test	Y
F-CMD-03133	B	1526	The FOS shall report the status of each prerequisite check to the user.		functional		test	Y
F-CMD-03135	B	1527	The FOS shall report to the user the mnemonic, required values, current values, and current state which cause a prerequisite check to fail.		functional		test	Y
F-CMD-03210	B	1528	The EOC shall determine a specific command as critical based on its definition.	This definition is contained within the data base.	functional		test	Y
F-CMD-03215	B	1529	The EOC shall require a user authorization (allow or cancel) prior to uplinking a critical command, regardless of its origin (operator input, command procedure, or ground script).		functional		test	Y
F-CMD-03225	B	1531	The EOC shall prompt the user for a critical command authorization.	The user will be required to respond to critical command prompt before any further activities can be performed.	functional		test	Y
F-CMD-04130	A	1539	The FOS shall notify the user when a load is transmitted.		functional		demo	Y
F-CMD-11211	A	2253	The EOC shall uplink at a rate of 125 bits per second (bps) when the control center is configured for transmission utilizing SN SSA service and the AM1 Omni antenna.		interface		demo	Y
F-CMD-11212	A	2254	The EOC shall uplink at a rate of 1 kilobits per second (kbps) when the control		interface		demo	Y

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			center is configured for transmission utilizing SN SMA service and the AM1 High Gain antenna.					
F-CMD-11215	A	2255	The EOC shall uplink at a rate of 2 kbps when the EOC is configured for transmission utilizing the GN service and the AM1 Omni antenna.		interface		demo	Y
F-CMD-11220	A	2256	The EOC shall uplink at a rate of 2 kbps when the EOC is configured for transmission utilizing the DSN service and the AM1 Omni antenna.		interface		demo	Y
F-CMD-11225	A	2257	The EOC shall uplink at a rate of 2 kbps when the EOC is configured for transmission utilizing the WOTS service and the AM1 Omni antenna.		interface		demo	Y
F-CMD-12240	A	2259	The EOC shall accept user supplied binary (hex) formatted commands.	Other than the critical prompt, neither validation nor verification is provided for commands entered in binary format.	functional		test	Y
F-CMD-14315	A	2263	The EOC shall provide the user with the capability to select either of the two CTIUs as the active CTIU.		functional		test	Y
F-CMS-00205	A	5015	The EOC shall provide the capability to generate an ATC load from a list of absolute time commands that covers the same operational period as the DAS.	The operational period (also called a target day) for a DAS will be specified by the planner/scheduler. The nominal operational period for a DAS is 24 hours. Appropriate boundaries for the load will be determined so that the load will approximately cover the same operational period as the DAS.	functional		test	N
F-CMS-00230	A	1206	The EOC shall format the ATC load to conform to the ATC processing scheme on board the spacecraft.	The ATC processing scheme for specific spacecraft is described in the mission-specific volume.	functional		analysis	Y
F-CMS-00425	B	1214	The EOC shall provide the capability to partition an ATC load at a user-	The EOC will notify the user if partitioning a load at a user-specified breakpoint	functional		test	Y

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			requested boundary.	would violate constraints defined in the PDB.				
F-CMS-00640	B	9271	For each stored command that is scheduled to execute, the EOC shall provide a comment in the ground script which specifies the command and is time tagged with the same time as the stored command.		functional		test	N
F-CMS-00675	A	1229	The EOC shall provide the capability to initiate generation of the ground script which corresponds to a DAS upon request.		functional		demo	Y
F-CMS-00725	A	1232	The FOS shall provide the capability to accept an RTS load content imported from the Science Computing Facility (SCF).		interface		demo	Y
F-CMS-00728	A	1233	The FOS shall provide the capability to accept an RTS load content imported from the Software Development and Validation Facility (SDVF).		interface		demo	Y
F-CMS-00810	A	1241	The EOC shall provide the capability to generate an RTS load from an RTS load content which has been validated.		functional		demo	Y
F-CMS-00910	A	9273	The EOC shall maintain a catalog of RTS loads existing in the EOC.		functional		test	N
F-CMS-01010	B	1255	The FOS shall provide the capability to build the content of a table load.	Table load contents will be built by combining user input with a table definition in the PDB. The requirements for the table load builder are in section 9.1.5.1.	functional		demo	Y
F-CMS-01020	B	1256	The FOS shall provide the capability to build the content of a table load based on a previously defined table content.		functional		demo	Y
F-CMS-01030	B	1260	The FOS shall provide the capability to validate the contents of a table load.	The FOS will validate table load contents using the table definition in the PDB.	functional		analysis	Y
F-CMS-01120	B	1262	The EOC shall provide the capability to convert each	Each field will be converted in accordance with its	functional		test	Y

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			field of the table from its table load contents form to its spacecraft usable form.	definition in the PDB.				
F-CMS-01150	B	1265	The EOC shall generate a table load report whenever a table load is generated.	All load reports generated will be made available to the IOT through use of the IST.	functional		demo	Y
F-CMS-01210	A	9274	The EOC shall maintain a catalog of table loads existing in the EOC.		functional		test	N
F-CMS-01330	B	1275	The EOC shall generate a microprocessor load report whenever a microprocessor load is generated.	All load reports generated will be made available to the IOT through use of the IST.	functional		demo	Y
F-CMS-01775	A	9275	The EOC shall provide the capability to generate a table load content based on a dump image of a table.		functional		test	N
F-CMS-10210	A	5032	The EOC shall generate a SCC stored command table load that maps all absolute time commands into the SCC stored command table in a manner that is consistent with the format and processing of the SCC stored command table as described in SD-110a.	The August, 1993 SD-110a indicates that absolute time commands should be mapped into the SCC stored command table in ascending time order, starting with the first available location and wrapping around to the first location in the table when the last location in the table has been filled.	functional		test	N
F-CMS-10220	A	2194	The EOC shall direct the placement of the ATC load such that the first command of the load is inserted into the SCC stored command table at the location immediately following the last meaningful command of the previous ATC load.	The ATC load will not overwrite commands in the SCC stored command table that have not executed and are still planned to be executed.	functional		analysis	Y
F-DMS-00180	A	4963	The constraint definitions shall contain the following information: a. spacecraft constraint definitions b. instrument constraint definitions c. operational mode transition definitions d. command timing and sequencing constraints	Telemetry, command, activity and constraint definitions are governed by the formats specified in the FOS PDB Data Format Control Document (DFCD). Command timing and sequencing constraints are performed at the subsystem/instrument level and at the command level.	functional		inspection	N
F-DMS-00205	A	2077	The EOC shall provide authorized users the	Authorized users are those persons given data base	functional		demo	Y

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			capability to add telemetry definitions to the PDB.	privileges such as the data base administrator.				
F-DMS-00210	A	2078	The EOC shall provide authorized users the capability to delete telemetry definitions maintained in the PDB.		functional		demo	Y
F-DMS-00215	A	2079	The EOC shall provide authorized users the capability to modify telemetry definitions maintained in the PDB.		functional		demo	Y
F-DMS-00220	A	2080	The EOC shall provide authorized users the capability to add command definitions to the PDB.		functional		demo	Y
F-DMS-00225	A	2081	The EOC shall provide authorized users the capability to delete command definitions maintained in the PDB.		functional		demo	Y
F-DMS-00230	A	2082	The EOC shall provide authorized users the capability to modify command definitions maintained in the PDB.		functional		demo	Y
F-DMS-00235	A	2083	The EOC shall provide authorized users the capability to add activity definitions to the PDB.		functional		demo	Y
F-DMS-00250	A	2086	The EOC shall provide authorized users the capability to add constraint definitions to the PDB.		functional		demo	Y
F-DMS-00255	A	2087	The EOC shall provide authorized users the capability to delete constraint definitions maintained in the PDB.		functional		demo	Y
F-DMS-00260	A	2088	The EOC shall provide authorized users the capability to modify constraint definitions maintained in the PDB.		functional		demo	Y
F-DMS-00265	A	2089	The EOC shall provide a PDB edit log presenting edits made to the PDB.		functional		inspection	Y
F-DMS-00270	A	2090	The EOC PDB log shall include the following information:	Last update refers to the last time the user made changes to the current version of the	functional		inspection	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			a. Time stamp b. PDB version number c. File name d. User ID e. Changes made to the PDB since the last update	PDB.				
F-DMS-00410	A	2097	The FOS shall provide for authorized users the capability to report information maintained in the PDB.		functional		inspection	Y
F-DMS-00420	A	2098	The FOS shall provide the capability to access PDB information for reporting purposes by the following: a. PDB type (telemetry, command, activity, constraint) b. mnemonic		functional		inspection	Y
F-DMS-00510	A	2099	The EOC shall maintain all versions of the operational PDB.	The operational PDB refers to the PDBdefinitions which have been validated and regarded as acceptable for operational use.	functional		inspection	Y
F-DMS-00520	A	2100	The EOC shall maintain the following information for each version of the PDB: a. PDB version number b. effective date		functional		inspection	Y
F-DMS-00530	A	2101	The EOC shall provide the capability to backup the operational PDB.		functional		demo	Y
F-DMS-00540	A	2102	The EOC shall provide the capability to restore the operational PDB.		functional		inspection	Y
F-DMS-00550	A	2103	The EOC shall provide the capability to compare two versions of the validated PDB.		functional		inspection	Y
F-DMS-00640	A	2107	The EOC shall provide for operational use of the constraint PDB definitions.		functional		demo	Y
F-DMS-00650	A	2108	The operational data shall contain a version number and date of generation.		functional		inspection	Y
F-DMS-00720	A	2110	The EOC shall maintain the telemetry data on-line for a minimum of 7 days.		functional		inspection	Y
F-DMS-00730	A	2111	The EOC shall archive telemetry in chronological		functional		inspection	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			order.					
F-DMS-00740	A	2112	The EOC shall merge new telemetry packets with existing packets to create a seamless archive.	Real-time and non real-time playback telemetry will be merged to create a seamless archive.	functional		inspection	Y
F-DMS-00760	A	2114	The EOC shall replace existing poor quality telemetry packets with good quality telemetry packets.		functional		demo	Y
F-DMS-00810	A	2117	The EOC shall archive all ground-telemetry data.		functional		inspection	Y
F-DMS-00820	A	2118	The EOC shall maintain the ground-telemetry data on-line for a minimum of 7 days.		functional		inspection	Y
F-DMS-00830	A	2119	The EOC shall archive ground-telemetry in chronological order.		functional		demo	Y
F-DMS-00840	A	2120	The FOS shall provide the capability to retrieve archived ground-telemetry by specifying the following: a. Spacecraft start time b. Spacecraft stop time c. Data source (NCC,EDOS) d. Data type e. Spacecraft Identifier (if applicable)		functional		demo	Y
F-DMS-00920	A	2122	The EOC shall maintain events data on-line for a minimum of 7 days.		functional		inspection	Y
F-DMS-01230	B	2134	The FOS shall provide the capability to filter event messages by: a. UTC time tag b. Event type c. Event Identifier d. Spacecraft Identifier (if applicable) e. Instrument Identifier (if applicable)		functional		demo	Y
F-DMS-01240	B	2135	The EOC shall provide the capability to initiate a procedure based on an event.	Only selected events will have this capability.	functional		demo	Y
F-DMS-01250	B	2136	The FOS shall provide the capability to designate a type of event message as an alarm.	This requirement is for local events.	functional		demo	Y

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F-DMS-01260	B	2137	The FOS shall provide the capability to designate a type of event message as not an alarm.	The alarm characteristic of an event is removed.  This requirement is for local events.	functional		demo	Y
F-DMS-10110	A	4980	The FOS shall provide the capability to exclude processing of duplicate CERES data.	This requirement will be handled by context dependent definitions.	functional		inspection	N
F-DMS-10710	B	9853	The EOC shall archive trash buffer data received from EDOS.		functional		test	N
F-DMS-10720	B	9854	The EOC shall produce an event message stating that it has received trash buffer data from EDOS.		functional		test	N
F-DMS-11010	B	9855	The EOC shall be capable of providing a listing of the trash buffer data files received from EDOS.		functional		test	N
F-FOS-00085	A	967	The EOC shall support instrument integration activities associated with the spacecraft prior to launch.		functional		test	Y
F-FOS-00175	A	4952	The EOC shall administer the allocation of IST connections to the EOC.	Allocation of IST connections will be administered based on the policy as defined in the IST Capabilities Document for the ECS Project (194-00602TPW).	functional		demo	N
F-FOS-00335	A	995	The EOC shall receive TDRSS schedules and User Performance Data (UPD) from the Network Control Center (NCC).	Reference the Interface Control Document between the NCCDS and GSFC MOCs for specifics pertaining to this interface.	interface		test	Y
F-FOS-00430	A	4959	The FOS shall require a unique user identification and password for each individual user.		functional		test	N
F-FOS-00435	A	1003	The EOC shall report detected security violations to the SMC.		interface		test	Y
F-FOS-00445	A	1004	The EOC shall report all detected computer viruses and actions taken to the SMC.		interface		test	Y
F-FOS-00465	A	4960	The IST toolkit shall provide data integrity services for	The use of the data integrity services for sending	functional		test	N

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			remote IST users communicating with the EOC.	information from the IST to the EOC will be evaluated on a case-by-case basis.				
F-FOS-00470	A	1009	The FOS shall provide the capability to authenticate users without sending passwords in the clear across networks.		functional		test	Y
F-FOS-00475	A	1010	The FOS shall provide the capability to limit access of EOC files to authenticated IST users.		functional		test	Y
F-FOS-00480	A	1011	The FOS shall provide authentication, authorization, and data integrity services that can be used by ISTs located inside and outside the United States.		functional		test	Y
F-FOS-00610	B	4803	The EOC architecture shall be capable of growing to support additional spacecraft without major redesign.		functional		analysis	N
F-FOS-00620	B	4804	The FOS shall be capable of growing to support up to 35 IST connected to the EOC network concurrently.		performance		analysis	N
F-FUI-01125	A	1675	The FOS shall allow a room to consist of 0 to 12 windows, with their respective sizes and positions in their default, tiled and user modified states.		functional		test	Y
F-FUI-01150	A	1680	The FOS shall provide the capability to define the tiled position and size of each of the windows in a room.		functional		test	Y
F-FUI-01180	A	1686	The FOS shall provide the capability for a user to dynamically switch between room states.		functional		test	Y
F-FUI-01185	A	1687	The FOS shall provide the capability to specify the border colors for windows displaying real-time, playback, simulated, event history and multiple source data for all users.	Rooms will not interfere with the host computer's window manager. rooms will not interfere with other processes running on the host computer.	functional		test	Y
F-FUI-01310	B	9278	The FOS shall provide a		functional		test	N

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			command line editing capability that allows the retrieval and display of the 20 most recent input lines for modification and resubmission.					
F-FUI-01315	B	9279	The FOS shall allow the user access to the following capabilities: a. user specified rooms b. a list of available rooms c. a list of available windows d. additional tools (i.e., environment setup) e. procedures		functional		test	N
F-FUI-01430	A	9280	The IST shall provide the capability for a PI/TL to delete IST users from the system.		security		test	N
F-FUI-01435	A	9281	The EOC shall provide the capability for an EOC Manager to delete EOC users from the system.		security		test	N
F-FUI-01565	A	1726	The FOS shall allow procedures to invoke other procedures.		functional		test	Y
F-FUI-01580	A	4844	The FOS shall provide a directive that allows a user to execute a standard UNIX shell command.		functional		test	N
F-FUI-01600	A	1733	The FOS shall provide the capability to specify the type of screen snap to perform, which includes: a. snap to a printer b. snap to a file		functional		demo	Y
F-FUI-01605	A	1734	The FOS shall provide the capability to snap a window.		functional		demo	Y
F-FUI-01615	A	1736	The FOS shall provide the capability to specify the colors for non real-time windows.	The selection of colors will be from a predefined palette as defined in the ECS User Interface Style Guide.	functional		demo	Y
F-FUI-02600	A	1782	The FOS shall provide the user a palette of available widgets from which the user may dynamically build a real-time display.		functional		demo	Y
F-FUI-02605	A	1783	The FOS shall allow the user to drag widgets via the pointing device from the		functional		demo	Y

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			palette and drop them into the display.					
F-FUI-02635	A	1789	The FOS shall allow the user to modify an existing real-time display definition.		functional		test	Y
F-FUI-02725	B	1796	The FOS shall provide a help screen with the following navigational schemes: a. hypertext forward b. hypertext trace back c. page forward d. page backward e. jump to home page (table of contents) f. search/find on a keyword	Hypertext trace back provides the ability to bring up help pages that the user previously viewed.	functional		demo	Y
F-FUI-02830	A	1803	The FOS shall verify that the procedure directives are consistent with the procedure type, except for user-defined procedures, when a save operation is attempted.	For example, a procedure containing a command directive cannot be saved as a local procedure. No consistency checking will be performed for procedures saved under a user-defined category.	functional		test	Y
F-FUI-02835	A	1804	The FOS shall provide an authorized user the capability to delete existing procedures.		functional		test	Y
F-FUI-02860	A	1809	The FOS shall provide a user the capability to request validation of procedures.	Procedures will be validated by the Command Management Subsystem. Validation status, including all errors detected, will be returned to the FUI Subsystem and displayed to the user.	functional		demo	Y
F-FUI-02960	B	1821	The FOS shall provide the capability to delete a report template.		functional		demo	Y
F-FUI-02962	A	9284	The FOS shall provide the capability to specify the report fonts.		functional		demo	N
F-FUI-02963	A	9285	The FOS shall provide the capability to specify the report title.		functional		demo	N
F-FUI-02964	A	9286	The FOS shall provide the capability to specify a default destination for the completed report (file, printer, browser/editor).		functional		demo	N
F-FUI-02965	A	9287	The FOS shall provide the		functional		demo	N

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			capability to specify report author name.					
F-FUI-02967	A	1827	The FOS shall provide the capability to create a report from a custom or routine report template.		functional		test	Y
F-FUI-02970	A	1828	The FOS shall provide the capability to accept report generation requests.		functional		demo	Y
F-FUI-02975	A	1829	The FOS shall provide the capability to insert a specified file into a report.		functional		test	Y
F-FUI-02980	A	1830	The FOS shall provide the capability to insert a specified off-line analysis product into a report.		functional		test	Y
F-FUI-02985	A	1831	The FOS shall provide the capability to insert a specified screen snap into a report.		functional		test	Y
F-FUI-02990	A	1832	The FOS shall provide the capability to insert predefined blocks of text into a report.		functional		test	Y
F-FUI-02991	A	1833	The FOS shall provide the capability to insert routine reports into a report.		functional		test	Y
F-FUI-03050	A	9292	The FOS shall provide the capability to display an existing report.		functional		demo	N
F-FUI-03055	A	9295	The FOS shall provide the capability to print an existing report.		functional		demo	N
F-FUI-03060	A	9293	The FOS shall provide the capability to edit an existing report.		functional		test	N
F-FUI-03061	A	9294	The FOS shall provide the capability to save an existing report.		functional		demo	N
F-FUI-05200	A	1882	The FOS shall allow an authorized user to enter RTS data that will be used to generate an RTS load.		functional		test	Y
F-FUI-05300	B	1887	The FOS shall provide a display listing the ground scripts that have been generated or executed during the last seven days, at a minimum corresponding		functional		demo	Y

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			to a user - specified portion of the continuous ground schedule.					
F-FUI-05305	B	1888	The FOS shall display an indication of the instrument(s) affected by critical commands within a ground script.		functional		test	Y
F-FUI-05310	B	1889	The FOS shall display an indication of whether any of the spacecraft subsystems are affected by critical commands within a ground script.		functional		test	Y
F-FUI-05315	B	1890	The FOS shall provide a user the capability to display the contents of a ground script.		functional		demo	Y
F-FUI-05320	B	1891	The IST shall provide the PI/TL the capability to approve a ground script containing critical commands that affect the PI/TL's instrument.		functional		test	Y
F-FUI-05325	B	1892	The FOS shall provide an authorized EOC user the capability to approve a ground script containing critical commands that affect the spacecraft.		functional		test	Y
F-FUI-05330	B	1893	The FOS shall provide an authorized EOC user the capability to override the ground script approval process.		functional		test	Y
F-FUI-05405	B		The FOS shall provide a user the capability to highlight the contents of the ATC buffer according to one or more of the following criteria: a. executed commands b. commands awaiting execution c. commands associated with a specified command inhibit group d. ATC pseudo-ops e. critical commands	ATC pseudo-ops include commands for the ATC processor (e.g., execute an RTS, jump to a specific location, no-ops, etc.).	functional		demo	Y

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			f. hazardous commands g. empty areas (no-ops) h. commands associated with a specific instrument, and i. commands associated with a specific spacecraft subsystem.					
F-FUI-05505	B	1899	The FOS shall provide a user the capability to highlight the RTS buffers according to one or more of the following criteria: a. critical commands b. hazardous commands c. commands associated with a specific instrument d. commands associated with a specific spacecraft subsystem e. RTS ownership f. undefined RTS	RTS ownership is used to identify an RTS buffer with a specific instrument, subsystem, or function (e.g. FDIR).				
F-FUI-05510	A	9300	The FOS shall provide a user the capability to display RTS linkages.		functional		demo	N
F-FUI-05515	A	9301	The FOS shall provide a user the capability to display the command-to-memory map of an RTS buffer.		functional		demo	N
F-FUI-06240	A	9302	The EOC shall indicate to the CAC the syntax check status of the procedure referenced in the command request.		functional		demo	N
F-FUI-06245	A	9303	The EOC shall indicate to the CAC the validation status of all procedures referenced in the command request.		functional		demo	N
F-FUI-06337	B	4998	The EOC shall provide the capability to request an override of a prerequisite state check failure.		functional		demo	N
F-FUI-06395	B	1941	The EOC shall provide the CAC the capability to set (on/off) the command confirmation mode.		functional		test	Y
F-FUI-06400	B	1942	The EOC shall provide the CAC the capability to confirm pending commands when command		functional		test	Y

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			confirmation is enabled.					
F-FUI-06405	B	1943	The EOC shall provide the CAC the capability to cancel pending commands when command confirmation is enabled.	The FOS will implement a command confirmation mode. If enabled, this mode will queue each command directive (i.e., place them into pending command buffer) until the CAC confirms or cancels the directive.	functional		test	Y
F-FUI-06430	B	1948	The EOC shall provide the CAC the capability to merge procedures with the current executing ground script directives.		functional		demo	Y
F-FUI-06435	B	1949	The EOC shall provide the CAC the capability to merge a directive with the current executing ground script directives.		functional		demo	Y
F-FUI-06470	A	5000	The FOS shall display all commands manually input.	This capability is commonly referred to as "command shadowing" by the Flight Operations Team.	functional		demo	N
F-FUI-07100	A	1955	The FOS shall allow the user to select an update rate from 1 to 60 seconds.		functional		test	Y
F-FUI-07120	A	1956	The FOS shall allow the user to invoke quick analysis on the selected telemetry parameters.		functional		demo	Y
F-FUI-07200	A	1961	The FOS shall provide alphanumeric displays that are capable of displaying the following: a. the descriptor or mnemonic of a telemetry parameter b. the current state of a discrete telemetry parameter c. the current value of an analog telemetry parameter d. the current state of an analog telemetry parameter based on a range of predefined values e. whether data associated with a telemetry parameter is suspect (bad quality) f. whether data associated with a telemetry parameter		functional		test	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			is static g. whether an analog telemetry value has violated a range limit h. whether an analog telemetry value has violated a delta limit i. descriptive labels j. static descriptive text k. horizontal and vertical separator lines l. Universal Time Coordinated (UTC) m. spacecraft time n. current orbit number o. data source (real-time, replay, simulated) p. current major/minor frame counts q. current telemetry format r. current telemetry rate s. spacecraft Id					
F-FUI-07300	A	5006	The FOS shall provide graphs that are capable of displaying the following: a. up to six telemetry values vs. time, or b. up to six telemetry values vs. a telemetry value c. the high and low, red and yellow limits of the telemetry parameters as lines(dotted, dashed or solid) d. telemetry values as a symbol(optional) e. lines between telemetry parameters (optional) shall be displayed as dotted, dashed or solid f. axis lines (displayed or not) g. axis labels h. axis scales i. axis scale labels j. optional grid lines (dotted, dashed or solid) k. title l. current range of time displayed m. total range of time	functional		test	N	

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			available					
F-FUI-07310	A	5007	The FOS shall allow the user to plot data from different times and/or different data sources on a. a two dimensional graph b. a three dimensional graph		functional		analysis	N
F-FUI-07600	A	2010	The FOS shall display the following PDB information about discrete and analog telemetry parameters: a. the descriptor b. the mnemonic c. the valid states of a discrete telemetry value d. the conversion polynomial of an analog telemetry value e. the delta limits for a telemetry value f. the high and low, red and yellow limits for a telemetry value g. the cycles from which the telemetry value is extracted h. the telemetry values on which a derived telemetry value is based i. parameter Id j. spacecraft Id		functional		analysis	Y
F-FUI-07710	A	2013	The FOS shall provide a count down clock. The count down clock will first count down to the acquisition of signal time (AOS). After AOS, it will count down to the loss of signal time (LOS).		functional		test	Y
F-FUI-07720	A	2014	The FOS shall provide one status window for each logical string connection.		functional		demo	Y
F-FUI-09112	A	5009	The FOS shall provide the capability to specify a parameter for input to an algorithm when building an analysis request for historical data analysis. Algorithms can be one of the following: a. user-defined		functional		demo	N

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			b. system supplied					
F-FUI-09140	A	2027	The FOS shall provide the capability to display a request queue of up to 10 submitted analysis requests.	<p>The request queue will display the following data for each request:</p> <ul style="list-style-type: none"> <li>_a. request name</li> <li>_b. estimated completion time of requests gathering archived/local data</li> <li>_c. estimated completion time for the decom processing of requests (if applicable)</li> </ul>	functional		demo	Y
F-FUI-09145	A	5010	The FOS shall provide the capability to assign priority to a pending request in the request queue.	Requests with the same priority will be processed on FIFO basis.	functional		demo	N
F-FUI-09170	B	9307	The FOS shall provide the capability to display an analysis request.		functional		demo	N
F-FUI-09180	B	9308	The FOS shall provide the capability to print an analysis request.		functional		demo	N
F-FUI-09205	A	2034	The FOS shall provide the capability to save analysis results.		functional		demo	Y
F-FUI-09210	A	2035	The FOS shall provide the capability to print analysis results.		functional		demo	Y
F-FUI-09410	A	2050	The FOS shall provide the following output views for real-time analysis requests: a. alphanumeric telemetry b. real-time graph c. real-time table d. info window	Requirements for alphanumeric telemetry displays are in 9.1.7.2, real-time graphs in 9.1.7.3 and real-time tables in 9.1.7.4.	functional		test	Y
F-FUI-09415	A	2051	The FOS shall provide the capability to build an analysis request on real-time data that contain the following: a. spacecraft Id b. spacecraft subsystem/instrument c. telemetry parameters d. real-time output views e. output view formats		functional		test	Y
F-FUI-09515	A	9310	The FOS shall provide the capability to select valid		functional		test	N

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			discrete and analog values to be used per algorithm.					
F-FUI-09645	A	2064	The FOS shall visually alert a user that an event has occurred.		functional		test	Y
F-FUI-09650	A	2065	The FOS shall allow the user to activate and deactivate the generation of auditory alarms associated with the occurrence of events.		functional		demo	Y
F-FUI-09700	A	2066	The FOS shall provide the user with the capability to request event history data.		functional		test	Y
F-FUI-09705	A	5011	The event history request shall include filtering of events by: a. time period b. spacecraft Id c. instrument d. spacecraft subsystem e. event message type		functional		test	N
F-FUI-12310	B	2272	The FOS shall provide the ability to select the replay rate in multiples of 16 kilobits per second up to 48 kilobits per second.		functional		demo	Y
F-FUI-12315	B	2273	The FOS shall provide the means of stepping forward through the telemetry data by single major cycles.		functional		demo	Y
F-FUI-12800	A	5012	The FOS shall provide the capability to import and convert OASIS procedures. Any OASIS directives that are not directly convertible to ECL directives will be flagged as "UNCONVERTED".	The FOS cannot automatically validate the procedures. It is the explicit responsibility of the FOT to manually convert any unconverted directives. An FOT member must designate and sign off each procedure as valid.	operational		analysis	N
F-FUI-17265	A	2277	The FOS shall provide the capability to display the inhibit flags.		functional		test	Y
F-FUI-17270	A	2278	The FOS shall provide the capability to display the spacecraft activity log.		functional		test	Y
F-FUI-17800	A	9311	The FOS shall provide a SSR analysis window that contains: a. buffer pointers b. buffer status		functional		test	N

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			c. playback state d. RF failures					
F-FUI-17810	A	9312	The FOS shall display recommended playback data loss recovery procedures.		functional		test	N
F-FUI-17820		2283	The FOS shall display recommended RF fault link correction procedures.					Y
F-FUI-04020	B	1859	The FOS shall provide the capability to display resource usage with 2D line plots or bar graphs on a timeline display.		functional		test	Y
F-FUI-04090	A	1866	The FOS shall provide the capability to display the start and end times of the Detailed Activity Schedule on the timeline display.		functional		test	Y
F-FUI-04100	A	1867	The FOS shall provide the capability to highlight activities that violate hard and soft constraints on the timeline display.		functional		test	Y
F-FUI-04110	B	1868	The FOS shall provide the capability to display 'what-if' changes on the timeline display.		functional		test	Y
F-FUI-04300	B	1874	The FOS shall provide the capability to display the total amount of resources available on a particular spacecraft over time on the timeline.		functional		test	Y
F-PAS-00010	A	1102	The EOC shall obtain the Long Term Science Plan (LTSP) from the ECS SMC element.	Requirements to store, maintain, and control access to the LTSP appear in the Data Management subsystem section 9.2.2.4.	interface		demo	Y
F-PAS-00015	A	1103	The EOC shall obtain the Long Term Instrument Plan (LTIP) from the ECS SMC element.	Requirements to store, maintain, and control access to the LTSP appear in the Data Management subsystem section 9.2.2.4.	interface		demo	Y
F-PAS-00020	A	1104	The EOC shall provide the capability for an authorized user to create a long term spacecraft operations plan.		functional		test	Y
F-PAS-00025	A	1105	The EOC shall provide the capability for an authorized		functional		test	Y

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			user to maintain a long term spacecraft operations plan.					
F-PAS-00030	A	1106	The EOC shall provide the capability for an authorized user to update a long term spacecraft operations plan.		functional		test	Y
F-PAS-00035	A	1107	The EOC shall provide the capability for an authorized user to view a long term spacecraft operations plan.		functional		test	Y
F-PAS-00103	A	1109	The FOS shall provide the capability for an authorized user to restrict user privileges for updating portions of the mission schedule.	Privileges will include read, write, update, and delete and they can be defined for each spacecraft and instrument resource. They can also be defined for specific time periods.	functional		test	Y
F-PAS-00105	A	1100	The FOS shall provide the capability for an authorized user to make updates to a mission schedule for a specific spacecraft		functional		test	Y
F-PAS-00110	B	1111	The FOS shall provide the capability for an authorized user to undo an update to a mission schedule for a specific spacecraft.		functional		test	Y
F-PAS-00120	A	1113	The FOS shall provide the capability for an authorized user to delete a mission schedule for a specific spacecraft.		functional		test	Y
F-PAS-00135	A	1114	The FOS shall provide the capability for an authorized user to update portions of a mission schedule for a specific spacecraft.		functional		test	Y
F-PAS-00137	A	1115	The FOS shall accept predicted orbit data and planning aids for EOS spacecraft from the FDF.		interface		demo	Y
F-PAS-00138	A	1116	The FOS shall make predicted orbit data and planning aids for a specific spacecraft available to authorized users.		functional		test	Y
F-PAS-00140	A	1117	The FOS shall provide the capability to notify the user when he attempts to schedule an activity beyond the limit of the predicted	Any activities requested beyond this limit can be scheduled but will not be associated with any particular spacecraft orbit or	functional		test	Y

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			orbit data provided by the FDF.	ground trace. The FOS will not be propagating orbit data beyond what the FDF provides.				
F-PAS-00145	A	1118	The FOS shall provide the capability for an authorized user to receive updated spacecraft orbit data from the FDF.		functional		demo	Y
F-PAS-00150	A	1119	The FOS shall provide the capability for an authorized user to incorporate updated orbit data from the FDF into the mission schedule for a specific spacecraft.		functional		test	Y
F-PAS-00153	A	1120	The FOS shall notify the user when an activity in a mission schedule is affected by updated orbit data from FDF.		functional		test	Y
F-PAS-00155	A	1121	The FOS shall provide FDF orbit data to the ECS SDPS.		interface		demo	Y
F-PAS-00310	B	1130	The FOS shall provide the capability for an authorized user to schedule an activity at user defined intervals starting at a specific date and time.	Planners will be able to select the following intervals: every n seconds (1 - 6000); or every n minutes (1 - 1440); or every n hours (1 - 960); or every n days (1 - 365); or every n weeks (1 - 52); or every n months (1 - 60); or every n years (1 - 10); or every orbit.	functional		test	Y
F-PAS-00335	A	1133	The FOS shall provide the capability for an authorized user to delete an activity from the mission schedule.		functional		test	Y
F-PAS-00410	A	1143	The FOS shall provide the capability for an authorized user to modify optional parameters for an activity that is already scheduled .		functional		test	Y
F-PAS-00420	A	1145	The FOS shall provide read-only access to non-modifiable parameters to be modified for an activity that is scheduled .	Parameters of this type will be able to be modified through the controlled process provided by the Data Management Subsystem.	functional		test	Y
F-PAS-00500	B	1147	The FOS shall provide the capability for an authorized user to create a list of		functional		test	Y

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			recurring activities and store them in a Baseline Activity Profile (BAP) definition for an instrument, spacecraft subsystem, or ground system.					
F-PAS-00503	B	4969	The FOS shall provide the capability for an authorized user to maintain a Baseline Activity Profile (BAP) definition.	'Maintain' implies that a user will be able to edit or modify a BAP definition.	functional		test	N
F-PAS-00505	B	1149	The FOS shall provide the capability for an authorized user to delete a Baseline Activity Profile (BAP) definition.	For instance, if the cycle were an orbit an instrument planner may want to schedule an activity after every satellite sunrise and sunset. Another instrument planner may want to schedule an activity before each lunar eclipse that occurs in a year.	functional		test	Y
F-PAS-00600	A	1151	The FOS shall provide the capability for an authorized user to allocate the amount of a shared resources available to specific users.		functional			
F-PAS-00620	A	1155	The FOS shall provide the capability for an authorized user to replace resource reservation activities with detailed activities.		functional		test	Y
F-PAS-00700	A	1156	The FOS shall provide the capability for an authorized user to plan spacecraft communication contacts.		functional		test	Y
F-PAS-00705	A	1157	The FOS shall provide the capability for an authorized user to include direct downlink activities on the mission schedule.		functional		test	Y
F-PAS-00800	A	1158	The FOS shall provide the capability for an authorized user to define the start and end times for the Detailed Activity Schedule.		functional		test	Y
F-PAS-00805	A	1159	The FOS shall identify all disallowed activities that are between the start and end times for the Detailed Activity Schedule.	Disallowed activities include: _activities that are scheduled in windows;	functional		test	Y

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				_resource reservation request activities that are place holders for detailed activities;  _and activities that cause constraint violations.				
F-PAS-00810	A	1160	The FOS shall provide the capability for an authorized user to remove disallowed activities from the Detailed Activity Schedule.	This is intended to give the FOT the ability to avoid mistakes with an automated check.	functional		test	Y
F-PAS-00815	A	1161	The FOS shall provide the capability for an authorized user to specify the users who can define a Detailed Activity Schedule.		functional		test	Y
F-PAS-00825	A	1163	The FOS shall not allow resource reservation request activities to be on the Detailed Activity Schedule.		functional		test	Y
F-PAS-00830	A	1164	The FOS shall provide the capability for an authorized user to re-release a subset of the previously released Detailed Activity Schedule for command generation.	The start and end times for this subset will be within the original start and end times for the previously released DAS. The concept here is that the FOT will add new activities and eliminate any conflicts. Once they have generated a good mission schedule a new DAS will be released.	functional		test	Y
F-PAS-00835	A	1165	The FOS shall ensure that activities in the Detailed Activity Schedule are within predefined resource limits .		functional		test	Y
F-PAS-00840	A	1166	The FOS shall ensure that no activities cause hard constraint violations in the Detailed Activity Schedule.		functional		test	Y
F-PAS-00905	A	1168	The FOS shall provide the capability to identify any activity in the mission schedule that causes a hard constraint violation.		functional		test	Y
F-PAS-01120	A	1184	The FOS shall include the beginning and ending of scheduled activities as mission events.		functional		test	Y
F-PAS-01130	B	1186	The FOS shall provide the capability for an authorized	This requirement will become more specific as the	functional		test	Y

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			user to generate (TBR) orbital events that are not provided by the FDF.	FDF ICD is established. Examples of FOS generated orbital events may be: sun entering the instrument FOV or target visibility to an instrument FOV.				
F-PAS-01200	B	9313	The FOS shall provide the capability for an authorized user to accept a user request specifying an uplink window for a load.		functional		test	N
F-PAS-01205	A	1188	The FOS shall verify the existence of a load specified in the uplink request.		functional		test	Y
F-PAS-10003	B	2144	The EOC shall provide the AM-1 Long Term Science Plan to the ASTER ICC as specified in the ASTER ICC ICD.		interface		demo	Y
F-PAS-10005	B	2145	The EOC shall provide the AM-1 Long Term Instrument Plans to the ASTER ICC as specified in the ASTER ICC ICD.		interface		demo	Y
F-PAS-10007	B	2146	The EOC shall provide the AM-1 long term spacecraft operations plan to the ASTER ICC as specified in the ASTER ICC ICD.		interface		demo	Y
F-PAS-10008	B	2147	The FOS shall send predicted orbit data and planning aids from the FDF to the ASTER ICC as specified in the ASTER ICC ICD.		interface		demo	Y
F-PAS-10315	B	9267	The FOS shall accept resource reservation activities from the ASTER ICC.		interface		demo	N
F-PAS-10400	A	2158	The EOC shall provide the capability to schedule communication contacts with TDRSS through the NCC.		interface		demo	Y
F-PAS-10405	A	2159	The EOC shall provide the capability to receive TDRSS contact times from the NCC.		interface		demo	Y
F-PAS-10410	A	2160	The EOC shall provide the capability to schedule DSN communication contacts		interface		demo	Y

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			through the NCC.					
F-PAS-10415	A	2161	The EOC shall provide the capability to receive DSN contact times from the NCC.		interface		demo	Y
F-PAS-10420	A	2162	The EOC shall provide the capability to schedule communication contacts through the NCC.		interface		demo	Y
F-PAS-10425	A	2163	The EOC shall provide the capability to receive GN contact times from the NCC.		interface		demo	Y
F-PAS-10430	A	2164	The EOC shall provide the capability to schedule communication contacts through the NCC.		interface		demo	Y
F-PAS-10435	A	2165	The EOC shall provide the capability to receive WOTS contact times from the NCC.		interface		demo	Y
F-PAS-10455	B	2168	The EOC shall not schedule activities in an ASTER activity list that are within the boundaries of the Detailed Activity Schedule.		functional		test	Y
F-PAS-10535	B	2174	The FOS shall provide the capability to model the following modes for the CERES instrument: a. Fixed Azimuth Scan (TBR) b. Biaxial Scan (TBR) c. Solar Calibration (TBR) d. Launch (TBR) e. Survival (off) (TBR) f. Initialization (TBR) g. Standby (TBR) h. Save (TBR) i. Diagnostic (TBR)		functional		test	Y
F-PAS-10540	B	2175	The FOS shall provide the capability to model the following modes for the MISR instrument: a. Global (TBR) b. Local (TBR) c. Calibration (TBR) d. Dark (TBR) e. Standby (TBR) f. Safe (TBR) g. Survival (TBR)		functional		test	Y

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			h. Test (TBR) i. OFF (TBR)					
F-PAS-10545	B	2176	The FOS shall provide the capability to model the following modes for the MODIS instrument: a. Launch (TBR) b. Survival (TBR) c. Safe (TBR) d. Standby (TBR) e. Outgas (TBR) f. Science/Day (TBR) g. Science/Night (TBR) h. Calibration/SD View (TBR) i. Calibration/SRCA View (TBR) j. Calibration/Blackbody (TBR) k. Calibration/Space (TBR)		functional		test	Y
F-PAS-10550	B	2177	The FOS shall provide the capability to model the following modes for the MOPITT instrument: a. Off (TBR) b. Emergency (TBR) c. Launch (TBR) d. Idle (TBR) e. Ready (TBR)		functional		test	Y
F-PAS-10555	A	9317	The FOS shall provide the capability to model the following modes for the ASTER instrument based on activities received from the ASTER ICC: a. Observation Mode 1. Full (TBR) 2. VNIR (TBR) 3. VNIR Stereo (TBR) 4. TIR (TBR) 5. SWIR & TIR (TBR) b. VNIR Calibration Mode 1. Pre-Calibration (TBR) 2. Optical Calibration (TBR) 3. Dark Calibration (TBR) 4. Electric Calibration (TBR) c. SWIR Calibration Mode 1. Pre-Calibration (TBR) 2. Optical Calibration		functional		test	N

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			(TBR) <ul style="list-style-type: none"> <li>3. Dark Calibration (TBR)</li> <li>d. VNIR &amp; SWIR Calibration Mode</li> <li>1. Pre-Calibration (TBR)</li> <li>2. Optical Calibration (TBR)</li> <li>3. Dark Calibration (TBR)</li> <li>e. TIR Long Term Calibration</li> <li>1. Pre-Calibration (TBR)</li> <li>2. Optical Calibration (TBR)</li> <li>3. Dark Calibration (TBR)</li> <li>f. TIR Short Term Calibration</li> <li>1. Calibration 1 (TBR)</li> <li>2. Calibration 2 (TBR)</li> <li>g. Pointing Mode</li> <li>1. VNIR (TBR)</li> <li>2. SWIR (TBR)</li> <li>3. TIR 1 (TBR)</li> <li>4. TIR 2 (TBR)</li> <li>h. Standby Mode</li> <li>1. Standby 1 (TBR)</li> <li>2. Standby 2 (TBR)</li> <li>i. All Off Mode (TBR)</li> <li>j. Launch Mode (TBR)</li> <li>k. Launch-lock Off Mode (TBR)</li> <li>l. Safe Mode (TBR)</li> <li>m. Survival Mode</li> <li>n. Other Modes</li> <li>1. Cool Down (TBR)</li> <li>2. Prep 1               <ul style="list-style-type: none"> <li>a. TIR Prep 1 (TBR)</li> <li>b. TIR Short Term Calibration 1 (TBR)</li> </ul> </li> <li>3. Prep 2               <ul style="list-style-type: none"> <li>a. Standby 2 (TBR)</li> <li>b. TIR Prep 2 (TBR)</li> <li>c. SWIR &amp; TIR Prep (TBR)</li> <li>d. TIR Short Term Calibration 2 (TBR)</li> <li>e. TIR Pointing 2 (TBR)</li> </ul> </li> <li>4. TIR Getter               <ul style="list-style-type: none"> <li>a. TIR Getter Off (TBR)</li> <li>b. TIR Getter On (TBR)</li> </ul> </li> <li>5. TIR Cool Down (TBR)</li> </ul>					
F-PAS-	B	2181	The EOC shall be able to		performance		test	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
10570			schedule a list of TBD ASTER activities within TBD minutes after being submitted by the ASTER ICC.					
F-PAS-10575	B	2182	The EOC shall be able to return feedback of activities that could not be scheduled or that violate constraints within TBD minutes after being submitted by the ASTER ICC.		performance		test	Y
F-PAS-10605	A	9318	The FOS shall provide the capability to determine the number of CERES scans between sunrise and sunset events for a given satellite orbit.		functional		test	N
F-PAS-10615	A	2185	The FOS shall provide predicted orbital information to the ASTER ICC.		interface		demo	Y
F-PAS-10620	B	2186	The FOS shall provide the capability to display target locations on a graphical map display with relation to spacecraft ground track.	This is required in support of MISR instrument operations.	functional		test	Y
F-PAS-10625	B	2187	The FOS shall provide the capability to determine MISR access to local mode targets.	This is intended to be a textual list of orbits and times.	functional			
F-PAS-10700	A	2188	The FOS shall provide the capability to identify valid uplink windows for MISR microprocessor loads.	There will be a constraint in the database that limits these windows to nighttime only.	functional		demo	Y
F-PAS-10705	A	2189	The FOS shall display the valid uplink window for the MISR 16 day microprocessor load		functional		test	Y
F-RMS-00020	B	1311	The EOC shall be capable of accepting default ground system information at system startup.	Default ground system information will include default logical strings to be created at system initialization time.	functional		demo	Y
F-RMS-00030	A	1312	The EOC shall be capable of accepting EOC operator requests to configure the EOC.	Configure refers to the allocation of EOC hardware and software components for a specific use within a logical string.	functional		test	Y
F-RMS-	A	1318	The EOC shall provide an	Replay data consists of both	functional		test	Y

<b>paragraph_id</b>	<b>release</b>	<b>requirement_key</b>	<b>text</b>	<b>clarification</b>	<b>req_type</b>	<b>req_status</b>	<b>verification_method</b>	<b>source_requirement</b>
00080			EOC operator access to replay data.	real-time and spacecraft recorder data currently archived in the ECS.				
F-RMS-00090	A	1319	The EOC shall provide an EOC operator access to simulated data.		functional		test	Y
F-RMS-00100	A	1320	The EOC shall provide multiple EOC operators access to the same data stream.	A data stream is defined as a real-time, replay or simulated telemetry stream.	functional		demo	Y
F-RMS-00110	A	1321	The EOC shall provide a single EOC operator access to multiple data streams.	The number of streams a single operator is allowed to access at one time will not be restricted by the RMS software.	functional		test	Y
F-RMS-00160	A	1326	The EOC shall provide multiple IST operators access to the same data streams.		functional		demo	Y
F-RMS-00170	A	1327	The EOC shall provide a single IST operator access to multiple data streams.	The number of streams a single IST operator is allowed to access at one time will not be restricted by the RMS software.	functional		test	Y
F-RMS-01060	A	1333	The EOC shall provide the capability to authorize an EOC operator to modify the ground system configuration.		functional		test	Y
F-RMS-01070	A	1334	The EOC shall allow only one authorized EOC operator, at any given time, the privilege to modify the ground system configuration.	Ground configuration authority is granted on a per logical string basis.	functional		demo	Y
F-RMS-04020	B	1362	The EOC shall provide the capability to send the following Ground Configuration Message Requests to the NCC: a. User Reacquisition Request b. User Reconfiguration Request c. Forward Link Sweep Request d. Forward Link EIRP Reconfiguration Request e. Expand User Frequency Uncertainty Request f. Doppler Compensation		interface		demo	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			Inhibit/Enable Request					
F-RMS-04100	B	1366	The EOC shall provide the capability to receive and process GCM Status messages from the NCC.		interface		demo	Y
F-RMS-04110	B	1367	The EOC shall provide the capability to receive and process GCM Disposition messages from the NCC.		interface		demo	Y
F-RMS-04120	B	1368	The EOC shall provide the capability to exchange Communication Test and Acknowledgment messages to determine prepass operational readiness.		interface		demo	Y
F-TLM-00115	A	1370	The EOC shall be capable of receiving EOS spacecraft simulator telemetry.	The spacecraft simulator data may originate at the spacecraft contractor facility, spacecraft software development facility, or EOC.	interface		demo	Y
F-TLM-00120	A	1371	The EOC shall be capable of receiving historical EOS spacecraft and instrument telemetry.	Historical telemetry data is nominally stored in the EOC short term archive for seven (7) days. Data older than seven (7) days can be retrieved from the GSFC DAAC.	interface		demo	Y
F-TLM-00310	A	1376	The FOS shall base the quality of a packet on the quality indicator received in the EDU header.	EDOS discards packets containing errors which are not correctable via the Reed-Solomon error detection and correction algorithm. The FOS will process all packets which are received.	functional		demo	Y
F-TLM-00315	A	1377	The FOS shall mark all parameters decommutated from a packet containing an error as having questionable quality.	The FOS performs derived parameter calculations and marks the result as having questionable quality if a data point with questionable quality is required for use in calculating the derived parameter.	functional		demo	Y
F-TLM-00520	A	1385	The FOS shall support the decommutation of instrument engineering telemetry for the EOS instruments.		functional		test	Y
F-TLM-00535	A	1388	The FOS shall be capable of continuously		performance		test	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			decommutating real-time spacecraft housekeeping telemetry at rates up to 50 Kbps per spacecraft.					
F-TLM-00540	A	1389	The FOS shall be capable of continuously decommutating real-time instrument housekeeping telemetry at rates up to 50 Kbps per spacecraft.		performance		test	Y
F-TLM-00545	A	1390	The FOS shall be capable of continuously decommutating real-time instrument engineering telemetry at rates up to 50 Kbps per spacecraft.		performance		test	Y
F-TLM-00810	A	1401	The FOS shall provide decommutation of a given location of a given packet to be associated with any one of various parameter mnemonics, depending on the value of a discrete telemetry context switch parameter.	The context switch may be either a telemetered or derived discrete parameter.	functional		test	Y
F-TLM-00815	A	1402	The FOS shall support up to sixteen (16) distinct, predefined ranges for each context switch parameter.	Data base validation will disallow any undefined context switch parameter states. The sixteen context switches will encompass all possible switch parameter values.	functional		test	Y
F-TLM-00820	A	1403	The FOS shall only decommute a context-dependent parameter when the context switch is of good quality and has been marked active.	If a context switch is poor quality or has been marked static, the context-dependent parameter will be marked static.	functional		test	Y
F-TLM-00915	A	1444	The FOS shall allow for the selection from up to four (4) EU conversion algorithms for each parameter.		functional		test	Y
F-TLM-00920	A	1445	The FOS shall provide the capability to select an EU conversion algorithm based upon the value of an associated predefined discrete telemetry point.	This capability permits a context switched EU conversion. Up to sixteen (16) predefined switch ranges are available. The discrete may be either a decommutated or derived telemetry parameter.	functional		test	Y
F-TLM-	A	1446	The FOS shall provide the		functional		test	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
00925			capability for the user to select a predefined EU conversion algorithm.					
F-TLM-00970	A	1450	The FOS shall provide the capability for the user to adjust the predefined EU conversion algorithm coefficient values.	Changing of the coefficient values via user directive is temporary. Permanent alterations may be accommodated through changes in the coefficient values resident within the Project Data Base. Whenever a new set of limits is loaded, the data base defined values will be restored.	functional		test	Y
F-TLM-01020	A	1417	The FOS shall allow for the selection of a single boundary limit group from a limit set containing up to four groups of boundary limits per parameter.	Each boundary limit group is capable of accommodating red and yellow high/low limit values.	functional		demo	Y
F-TLM-01025	A	1418	The FOS shall provide the capability to select a boundary limit group based upon the value of an associated predefined discrete telemetry parameter.	This capability permits a context switched boundary group selection. Up to sixteen (16) predefined switch ranges are available. The discrete may be either a decommutated or derived telemetry parameter.	functional		demo	Y
F-TLM-01030	A	1419	The FOS shall provide the capability for the user to select a predefined boundary limit group.		functional		demo	Y
F-TLM-01035	A	1420	The FOS shall use high and low limit values in raw or EU counts as specified for decommutated and derived parameters when limits have been defined.	Limits for both decommutated and derived parameters are specified through the Project Data Base.	functional		demo	Y
F-TLM-01045	A	1422	The FOS shall compare the change of successive raw parameter values with the predefined delta value.	Delta limits are specified through the Project Data Base.	functional		test	Y
F-TLM-01050	A	1423	The FOS shall perform limit checking only on good quality data.		functional		test	Y
F-TLM-01120	A	1427	The FOS shall notify the user when a parameter incurs a delta limit violation.		functional		test	Y
F-TLM-01130	A	1429	The FOS limit notification shall be reported when a		functional		test	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			telemetry point exceeds a limit, when the point comes back in limits, and every Nth occurrence (based upon the limit sense interval).					
F-TLM-01145	A	1432	The FOS shall be capable of reporting limit violations based upon a predefined limit sense interval for each normal and derived parameter that has defined limits.	The limit sense interval modifies only the notification reporting rate and has no affect on limit checking and indicator updates. The FOS will use the predefined limit interval values as the initial default limit notification period.	functional		demo	Y
F-TLM-01150	A	1433	The FOS shall provide notification of any out-of-limits status every Nth sample occurrence, where N is defined as the limit sense interval for that parameter.		functional		test	Y
F-TLM-01155	A	1434	The FOS shall provide the capability of disabling (suppressing) or enabling notification messages concerning limits for all parameters.	Although the display of notification messages may be suppressed, the messages will continue to be stored or logged. The FOSdefault limit condition reporting mode will be 'enabled'.	functional		test	Y
F-TLM-01160	A	1435	The FOS shall provide the capability of disabling or enabling notification messages concerning limits at the parameter level.		functional		demo	Y
F-TLM-01165	A	1436	The FOS shall provide the capability of disabling or enabling notification messages concerning limits at the spacecraft subsystem/instrument level.		functional		demo	Y
F-TLM-01210	A	1437	The FOS shall provide the user the capability of changing limit values, delta limit values, and limit sense intervals.	Changing of the limit values via user directive is temporary. Permanent alterations may be accommodated through changes in the limit values resident within the Project Data Base. Whenever a new set of limits is loaded, the data base defined limits and sense intervals will be restored.	functional		demo	Y
F-TLM-	A	1438	The FOS shall provide the	Where conversions from	functional		demo	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
01215			user the capability to access current limit values and delta limit values in both raw and engineering units.	engineering units to raw results in a non-unique value, the value will be disallowed and discarded.				
F-TLM-01220	A	1439	The FOS shall allow adjustment of limit values only for those telemetry parameters that have predefined limit values.		functional		demo	Y
F-TLM-01225	A	1440	The FOS shall be able to modify boundary limit values, delta limit values, and limit sense intervals at the parameter level.		functional		demo	Y
F-TLM-01230	A	1441	The FOS shall provide the capability to specify limit adjustments in raw counts or engineering units.		functional		test	Y
F-TLM-01235	A	1442	The FOS shall allow for adjusting the limit values of any boundary limit group for parameters having multiple boundary limit groups defined.	The telemetry data base values are restored when a new limit group is loaded or upon initialization.	functional		test	Y
F-TLM-01310	B	1404	The FOS shall evaluate derived parameters based on specified, predefined equations.	The derived parameter algorithms will be obtained from telemetry data base definitions.	functional		demo	Y
F-TLM-01415	A	1452	The FOS shall make available the status for every predefined telemetry parameter.		functional		demo	Y
F-TLM-01425	A	1454	The FOS shall make available, on a per-parameter basis, the following: a. last decommutated raw value b. associated converted value (if applicable) c. limit range values (if applicable) d. limit sense interval e. no data available indicator f. static/active indicator g. quality status indicator h. out-of-limits low indicators (if applicable) i. out-of-limits high indicators (if applicable) j. delta limit error indicator k. conversion error indicator	Reference section 7.2.3.8 for discussion of conversion errors.	functional		demo	Y

<b>paragraph_id</b>	<b>release</b>	<b>requirement_key</b>	<b>text</b>	<b>clarification</b>	<b>req_type</b>	<b>req_status</b>	<b>verification_method</b>	<b>source_requirement</b>
F-TLM-01510	A	1456	The EOC shall store telemetry data as received from EDOS.	Telemetry data is received from EDOS in the form of EDUs containing spacecraft and instrument CCSDS telemetry packets.	functional		demo	Y
F-TLM-01515	A	1457	The EOC shall be capable of receiving and storing real-time housekeeping telemetry at rates up to 50 Kbps for each EOC controlled spacecraft.		performance		test	Y
F-TLM-01525	B	1459	The EOC shall be capable of receiving and storing real-time instrument engineering telemetry at rates up to 50 Kbps for each EOC controlled spacecraft.		performance		test	Y
F-TLM-01530	B	1460	The EOC shall be capable of receiving and storing spacecraft recorder playback instrument engineering telemetry at rates up to 1.544 Mbps for each EOC controlled spacecraft.	See mission specific requirement.	performance		test	Y
F-TLM-01535	B	1461	The FOS shall notify the user when the start of a spacecraft recorder playback collection is recognized.	Storage of spacecraft recorder data is started at this time.	functional		test	Y
F-TLM-01720	A	1471	The EOC shall store each computer memory dump collection separately.		functional		test	Y
F-TLM-01810	B	1474	The EOC shall provide the capability to collect predefined parameter data from the spacecraft housekeeping telemetry.		functional		demo	Y
F-TLM-01815	B	1475	The EOC shall provide the capability to collect telemetry parameters based upon a user specified time period.	The parameters may be collected from either real-time or stored historical telemetry data.	functional		test	Y
F-TLM-01820	B	1476	The EOC shall provide the capability to collect parameter values as raw or EU converted values.		functional		test	Y
F-TLM-01825	B	1477	The EOC shall provide the capability to format and forward data to the FDF as the parameters are being extracted from telemetry.		interface		test	Y
F-TLM-	B	1479	The EOC shall provide the		functional		test	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
01835			capability of simultaneously storing the data while forwarding the data to the FDF.					
F-TLM-10125	A	2216	The EOC shall be capable of receiving AM-1 housekeeping and AM-1 diagnostic telemetry data from both the I-channel and Q-channel simultaneously.	For example, the EOC will be able to accept telemetry with the I and Q channels in the following configurations:  _2 - 16 kbps housekeeping _ or _1 - 16 kbps housekeeping and _1 - 16 kbps diagnostic	interface		demo	Y
F-TLM-10420	A	2220	The FOS shall accept AM-1 1664 octet diagnostic telemetry packets.		interface		demo	Y
F-TLM-10430	A	2222	The FOS shall accept AM-1 208 octet diagnostic telemetry packets.		interface		demo	Y
F-TLM-10436	A	2224	The FOS shall accept AM-1 instrument science telemetry packets of lengths up to 7695 octets.	Instrument engineering data will be decommutated from the science telemetry stream. Instrument engineering telemetry decommutation will not occur real-time as this data is not routed to the EOC during spacecraft contact periods.	interface		test	Y
F-TLM-10460	A	2228	The FOS shall be capable of extracting the 1649 octet telemetry information from the 16 Kbps AM-1 diagnostic packet application data field .		functional		demo	Y
F-TLM-10470	A	2230	The FOS shall be capable of extracting the 193 octet telemetry information from the 1 Kbps AM-1 diagnostic packet application data field.		functional		demo	Y
F-TLM-10480	A	2232	The FOS shall be capable of extracting up to 7680 octets of telemetry information from the low-rate science packet application data field.		functional		demo	Y
F-TLM-10485	A	2233	The FOS shall be capable of extracting up to 1025 octets	Requirements 10480 and 10485 permit the processing	functional		demo	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			of telemetry information from the high-rate science packet application data field.	of AM-1 instrument engineering data.				
F-TLM-10535	A	2236	The FOS shall be capable of continuously decommutating real-time spacecraft housekeeping telemetry at a rate of 16 Kbps.		performance		test	Y
F-TLM-10540	A	2237	The FOS shall be capable of continuously decommutating real-time instrument housekeeping telemetry at a rate of 16 Kbps.		performance		test	Y
F-TLM-10550	A	2238	The FOS shall be capable of decommutating real-time spacecraft diagnostic telemetry at a rate of 16 Kbps.		performance		test	Y
F-TLM-10555	A	2239	The FOS shall be capable of decommutating real-time instrument diagnostic telemetry at a rate of 16 Kbps.		performance		test	Y
F-TLM-10560	A	2240	The FOS shall be capable of continuously decommutating real-time spacecraft health and safety telemetry at a rate of 1 Kbps.		performance		test	Y
F-TLM-10565	A	2241	The FOS shall be capable of continuously decommutating real-time instrument health and safety telemetry at a rate of 1 Kbps.		performance		test	Y
F-TLM-10570	A	2242	The FOS shall be capable of decommutating real-time spacecraft diagnostic telemetry at a rate of 1 Kbps.		performance		test	Y
F-TLM-10575	A	2243	The FOS shall be capable of decommutating real-time instrument diagnostic telemetry at a rate of 1 Kbps.		performance		test	Y
F-TLM-10580	A	2244	The FOS shall be capable of decommutating real-time spacecraft standby CTIU telemetry at a rate of 1		performance		test	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			Kbps.					
F-TLM-10585	A	2245	The FOS shall be capable of decommutating replayed instrument engineering telemetry at a rate of 16 Kbps.		performance		test	Y
F-TLM-10810	A	2246	FOS shall provide decommutation of a given location of a given major cycle to be associated with any one of various parameter mnemonics, depending on the value of a discrete telemetry context switch parameter.		functional		demo	Y
F-TLM-11520	B	2250	The EOC shall be capable of receiving and storing AM-1 spacecraft recorder playback housekeeping telemetry at rates up to 512 Kbps.	The 512 Kbps rate will be used during emergency operations through the DSN, GN, or WOTS. The nominal AM-1 playback rate will be 256 Kbps. The spacecraft recorder data will be captured at EDOS and may be transmitted to the EOC post-contact at rates up to 1.544 Mbps.	performance		test	Y
F-TLM-11525	B	2251	The EOC shall be capable of receiving and storing real-time instrument engineering telemetry at rates up to 50 Kbps for each EOC controlled spacecraft.	AM-1 instrument engineering data will be routed directly to the DAAC. Therefore, the EOC does not store AM-1 instrument engineering telemetry data.	performance		test	Y

**Attachment 2**  
**Modify FOS Level 4 Requirement Text/Clarification Text**  
**CCR #96-0515B**

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
F-TLM-11520	B	2250	The EOC shall be capable of receiving and storing AM-1 spacecraft recorder playback housekeeping telemetry at rates up to 512 Kbps <u>from EDOS as a rate buffered file.</u>	The 512 Kbps rate will be used during emergency operations through the DSN, GN, or WOTS. The nominal AM-1 playback rate will be 256 Kbps. The spacecraft recorder data will be captured at EDOS and may be transmitted to the EOC post-contact at rates up to 1.544 Mbps.	performance		test	Y
F-TLM-01825	B	1477	The EOC shall provide the capability to <u>format decommute</u> and <u>forward provide</u> data to the FDF as the parameters are being extracted from telemetry.		interface		test	Y
F-PAS-00420	A	1145	The FOS shall provide read-only access to non-modifiable parameters <u>to be modified</u> for an activity that is scheduled .	Parameters of this type will be able to be modified through the controlled process provided by the Data Management Subsystem.	functional		test	Y
F-PAS-00600	A	1151	The FOS shall provide the capability for an authorized user to allocate the amount of a shared resources <u>the solid state recorder buffer</u> available to specific users.		functional		test	Y
F-PAS-00815	A	1161	The FOS shall provide the capability for an authorized user to specify the users who can <u>define create</u> a Detailed Activity Schedule.		functional		test	Y
F-PAS-01120	A	1184	The FOS shall include the beginning and ending of scheduled <u>communications contact</u> activities as mission events.		functional		test	Y
F-PAS-01200	B	9313	The FOS shall provide the capability for an authorized user to accept a user request specifying an uplink window for a load.		functional		test	N

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
F-PAS-10455	B	2168	The EOC shall <u>accept</u> not schedule activities in an ASTER activity list that are <u>is</u> within the boundaries of the Detailed Activity Schedule <u>and process the list as a Late Change Request.</u>	<u>The list will be processed immediately to provide constraint feedback but will not be applied to the Master Plan without approval from an authorized FOT operator.</u>	functional		test	Y
F-PAS-10535	B	2174	The FOS shall provide the capability to model the following modes for the CERES <u>AM-1 spacecraft and instruments as defined in the PDB.</u> :	a. Fixed Azimuth Scan (TBR) b. Biaxial Scan (TBR) c. Solar Calibration (TBR) d. Launch (TBR) e. Survival (off) (TBR) f. Initialization (TBR) g. Standby (TBR) h. Save (TBR) i. Diagnostic (TBR)	functional		test	Y
F-PAS-10570	B	2181	The EOC shall be able to schedule a list of <u>TBD 200</u> ASTER activities within <u>TBD 30</u> minutes after being submitted by the ASTER ICC.		performance		test	Y
F-PAS-10575	B	2182	The EOC shall be able to return feedback of activities that could not be scheduled or that violate constraints within <u>TBD 40</u> minutes after being submitted by the ASTER ICC.		performance		test	Y
F-PAS-10625	B	2187	The FOS shall provide the capability to determine MISR access to local mode targets.	This is intended to be a textual list of orbits and times. <u>displayed on the timeline as an event.</u>	functional			
F-PAS-10705	A	2189	The FOS shall display the valid uplink window for the MISR 16-day microprocessor load		functional		test	Y
F-FUI-05300	B	1887	The FOS shall provide a <u>the capability to</u> display listing the ground scripts that have been generated or executed during the last seven days, at		functional		demo	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			a minimum <u>corresponding to a user - specified portion of the continuous ground schedule.</u>					
F-FUI-05315	B	1890	The FOS shall provide a user the capability to display the contents of a ground script <u>with expanded procedures.</u>		functional		demo	Y
F-FUI-05405	B		The FOS shall provide a user the capability to highlight the contents of the ATC buffer according to one or more of the following criteria: a. executed commands b. commands awaiting execution c. commands associated with a specified command inhibit group d. ATC pseudo-ops e. critical commands f. hazardous commands <b>(reserved)</b> g. empty areas (no-ops) h. commands associated with a specific instrument, and i. commands associated with a specific spacecraft subsystem.	ATC pseudo-ops include commands for the ATC processor (e.g., execute an RTS, jump to a specific location, no-ops, etc.).	functional		demo	Y
F-FUI-05505	B	1899	The FOS shall provide a user the capability to highlight the RTS buffers according to one or more of the following criteria: a. critical commands b. hazardous commands <b>(reserved)</b> c. commands associated with a specific instrument d. commands associated with a specific spacecraft subsystem e. RTS ownership f. undefined RTS	RTS ownership is used to identify an RTS buffer with a specific instrument, subsystem, or function (e.g. FDIR).				
F-FUI-09112	A	5009	The FOS shall provide the capability to specify a		functional		demo	N

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			<p>parameter for input to an algorithm when building an analysis request for historical data analysis.</p> <p>Algorithms can be one of the following:</p> <ul style="list-style-type: none"> <li>a. user-defined</li> <li>b. system supplied</li> </ul>					
F-FUI-12310	B	2272	<p>The FOS shall provide the ability to select the replay rate in multiples of 16 kilobits per second up to 48 kilobits per second. <u>allow a user to select a replay rate from 1 kilobit per second up to 150 kilobits per second.</u></p>		functional		demo	Y
F-CMS-00425	B	1214	<p>The EOC shall provide the capability to partition an ATC load at a user-requested boundary.</p> <p>-</p>	<p>The EOC will notify the user if partitioning a load at a user-specified breakpoint would violate constraints defined in the PDB.</p> <p><b><u>Boundary is determined by user DAS selection - PAS.</u></b></p>	functional		test	Y

paragraph_id	req_source_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
F-PAS-00010	F-PAS-00010	A	-1102	The EOC shall obtain the Long Term Science Plan (LTSP) from the ECS SMC element.	Requirements to store, maintain, and control access to the LTSP appear in the Data Management subsystem section 9.2.2.4.	interface		demo	Y
F-PAS-00015	F-PAS-00015	A	-1103	The EOC shall obtain the Long Term Instrument Plan (LTIP) from the ECS SMC element.	Requirements to store, maintain, and control access to the LTIP appear in the Data Management subsystem section 9.2.2.4.	interface		demo	Y
F-PAS-01130	F-PAS-01130	B	-1186	The FOS shall provide the capability for an authorized user to generate (TBR) orbital events that are not provided by the FDF.	This requirement will become more specific as the FDF ICD is established. Examples of FOS generated orbital events may be: sun entering the instrument FOV or target visibility to an instrument FOV.	functional		test	Y
F-PAS-10008	F-PAS-10008	B	-2147	The FOS shall send predicted orbit data and planning aids from the FDF to the ASTER ICC as specified in the ASTER ICC ICD.		interface		demo	Y
F-PAS-10615	F-PAS-10615	A	-2185	The FOS shall provide predicted orbital information to the ASTER ICC.		interface		demo	Y
<u>F-DMS-01475</u>	<u>F-DMS-01475</u>	<u>A</u>	<u>new</u>	<u>The EOC shall obtain the Long Term Science Plan (LTSP) from the ECS SMC element.</u>	<u>Requirements to store, maintain, and control access to the LTSP appear in the Data Management subsystem section 9.2.2.4.</u>	<u>interface</u>		<u>demo</u>	<u>Y</u>
<u>F-DMS-01480</u>	<u>F-DMS-01480</u>	<u>A</u>	<u>new</u>	<u>The EOC shall obtain the Long Term Instrument Plan (LTIP) from the ECS SMC element.</u>	<u>Requirements to store, maintain, and control access to the LTIP appear in the Data Management subsystem section 9.2.2.4.</u>	<u>interface</u>		<u>demo</u>	<u>Y</u>
<u>F-DMS-01485</u>	<u>F-DMS-01485</u>	<u>B</u>	<u>new</u>	<u>The FOS shall send predicted orbit data and planning aids from the FDF to the ASTER ICC as specified in the ASTER ICC ICD.</u>		<u>interface</u>		<u>demo</u>	<u>Y</u>
<u>F-DMS-01490</u>	<u>F-DMS-01490</u>	<u>A</u>	<u>new</u>	<u>The FOS shall provide predicted orbital information to the ASTER ICC.</u>		<u>interface</u>		<u>demo</u>	<u>Y</u>
<u>F-PAS-10623</u>	<u>F-PAS-10623</u>	<u>B</u>	<u>new</u>	<u>The FOS shall provide the capability for an</u>		<u>functional</u>		<u>test</u>	<u>Y</u>

paragraph_id	req_source_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
				<u>authorized user to generate MISR Local Mode visibility mission events.</u>					

*Note: Requirement F-PAS-01130 is being moved to Mission Specific Volume 2 and requirement number is changing to F-PAS-10623.*

*Requirement F-PAS-00010 moved to F-DMS-01475, F-PAS-00015 moved to F-DMS-01480; F-PAS-10008 moved to F-DMS-01485; F-PAS-10615 moved to F-DMS-01490; F-PAS-01130 moved to F-PAS-10623*

**Attachment 3**

**Delete RBRs**

**CCR # 96-0515B**

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
EOC-3015#A	A	-4405	The EOC shall accept SCC flight software updates from the SDVF.	FOS	A: Basic functionality provided	functional	mission critical	demo	un-verified	demo	
EOC-3017#A	A	-4409	The EOC shall accept from the FDF parameters necessary for spacecraft command data generation, including the following: a- Navigational operations parameters b-Spacecraft maneuver parameters	FOS		functional	mission critical	test	un-verified	test	
EOC-8372#C	C	928	The EOC shall be capable of accessing ICC reports	FOS	EOC to ICC interface.	functional	mission essential	demo	un-verified		
AMI-0240#A	A	6216	The IST toolkit shall have the capability to provide data to a science computing facility that supports PI/TL instrument operations, which include the following data (at a minimum):	FOS		interface			un-verified		

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			a. Instrument analysis results								
EDOS-A.1.2#A	A	-5762	The DIF shall provide the capability to transfer Command Link Control Word EDUs to the EOC.	FOS		interface	TBD	TBD	un-verified		
AMI-1150#A	A	-3142	ECS shall contribute a loop delay of not greater than 2.5 seconds of the total system delay of five (5) seconds for emergency real-time commands, not including the time needed for command execution. The loop delay is measured from the originator to the spacecraft/instrument and back and only applies when a Tracking and Data Relay Satellite System (TDRSS) link is available for contact to the spacecraft.	FOS   CSMS		interface	TBD	TBD	un-verified		

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
ASTER-0230#A	A	-5653	ECS shall have the capability to send and ASTER GDS shall have the capability to receive a preliminary resource schedule. The preliminary resource schedule shall include, at a minimum, the following: a. Activity and DAR identifiers b. Resource availability and usage requirements c. Time constraints d. TDRSS schedule	FOS		interface	TBD	TBD	un-verified		
ASTER-0260#A	A	-5659	ECS shall have the capability to send and ASTER GDS shall have the capability to receive detailed activity schedules and any updates. The detailed activity schedule shall include, at a minimum, the following: a. Instrument	FOS		interface	TBD	TBD	un-verified		

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			activities b. Spacecraft activities necessary to support all instrument activities e. All spacecraft activities necessary for spacecraft subsystem maintenance d. Spacecraft resource requirements for each activity e. Traceability of instrument activities to DARs								
EDOS-A.2.1#A	A	-5786	The DIF-EOC interface shall provide the capability to support the transfer of real-time return-link EDUs to the EOC at a rate of up to 1.1 Mbps.	FOS+CSMS		interface	TBD	TBD	un-verified		
EDOS-A.2.3#A	A	-5789	The DIF-EOC interface shall provide the capability to support the receipt of forward-link real-time CLTUs from the EOC at a rate of 35	FOS		interface	TBD	TBD	un-verified		

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			kbps for a single channel.								
EOC-0030#A	A	-4277	The EOC shall receive the LTSP and LTIP from the SMC.	FOS   CSMS		functional	mission critical	demo	un-verified	demo	
EOC-1005#A	A	-4315	The EOC shall provide the IMS with spacecraft information, including at a minimum orbit information, for use in DAR generation.	FOS		functional	mission critical	demo	un-verified	demo	
EOC-2010#A	A	-4316	The EOC shall accept from the FDF planning and scheduling information for the EOS spacecraft and instruments, which includes, at a minimum, the following: a. Predicted orbit data including predicted ground track b. EOS spacecraft UAV data c. PSATs d. Spacecraft maneuver information	FOS	A: BASIC FUNCTIONALITY PROVIDED	functional	mission critical	test	un-verified	test	
EOC-	A	-4388		FOS	A: Basic	functional	mission	test	un-verified	test	

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
2370#A			The EOC shall generate TDRSS schedule requests based on the data rate profiles of all the instruments and spacecraft subsystems.		functionality provided		critical				
EOC-2400#A	A	-4389	The EOC shall submit the TDRSS schedule requests to the NCC.	FOS		functional	mission critical	demo	un-verified	demo	
EOC-2405#A	A	-4390	The EOC shall accept the forecast TDRSS schedule from the NCC.	FOS		functional	mission critical	demo	un-verified	demo	
EOC-2410#A	A	-4391	The EOC shall accept from the NCC notification of rejection along with the reason for rejection, when all or a portion of the TDRSS schedule request cannot be accommodated.	FOS		functional	mission critical	test	un-verified	test	
EOC-2420#A	A	-4393	In response to the rejection of a TDRSS	FOS		functional	mission critical	demo	un-verified	demo	

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			schedule request, the EOC shall have the capability to modify the request for resubmission to the NCC.								
EOC-2520#A	A	-4398	If additional TDRSS schedule needs are identified while generating or updating a detailed activity schedule, the EOC shall make a request to the NCC for additional TDRSS services.	FOS		functional	mission critical	test	un-verified	test	
EOC-2530#A	A	-4399	If the request to the NCC for additional SN services is denied, the EOC shall regenerate or modify a detailed activity schedule to account for the TDRSS service availability constraints.	FOS		functional	mission critical	test	un-verified	test	
EOC-2535#A	A	-4403	The EOC shall be capable of scheduling the use of the	FOS		functional	mission critical	test	un-verified	test	

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			DSN, GN, or WOTS, in the event of an emergency or contingency that prevents communication through the TDRSS.								
EOC-3015#A	A	-4405	The EOC shall accept SCC flight software updates from the SDVF.	FOS	A: Basic functionality provided	functional	mission critical	demo	un-verified	demo	
EOC-3017#A	A	-4409	The EOC shall accept from the FDF parameters necessary for spacecraft command data generation, including the following: a. Navigational operations parameters b. Spacecraft maneuver parameters	FOS		functional	mission critical	test	un-verified	test	
EOC-8380#A	A	-4621	The EOC shall provide the SMC with access to EOC reports, including at a minimum the following: a. Plans and schedules	FOS + CSMS		functional	mission essential	demo	un-verified	demo	
EOSD0015#A	A	-4719	ECS shall use and	FOS + CSMS	ONLY THE GSFC AND LARC	operational	mission critical	test	un-verified	test	

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			support the Deep-Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Naseom interface, as backup of the SN, to obtain forward and return-link data communications.		DAACS WILL INTERFACE WITH EDOS						
EOSD1000#A	A	-4809	ECS elements shall contribute a loop delay of not greater than 2.5 seconds of the total system delay of five (5) seconds for emergency real-time commands, not including the time needed for command execution. The loop delay is measured from the originator to the	FOS+SDPS+CSMS		performance	mission critical	test	un-verified	test	

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			spacecraft/instrument and back-and-only applies when a Tracking and Data Relay Satellite System (TDRSS) link is available for contact to the spacecraft.								
EOSD1480#A	A	-4818	ECS shall receive from the resident EOS Project Scientist the IWGs Long Term Science Plan (LTSP) and updates as required.	FOS+SDPS+CSMS		interface	mission critical	demo	un-verified	demo	
EOSD1505#A	A	-4822	ECS elements shall receive EOS spacecraft predicted orbit data and post-pass ephemeris determination data from the FDF.	FOS+SDPS		interface	mission critical	test	un-verified	test	
EOSD1520#A	A	-4823	ECS elements shall receive TDRSS schedules from the Network Control Center (NCC).	FOS+SDPS		interface	mission critical	test	un-verified	test	
EOSD1530#	A	-4824		FOS+SDPS		interface	mission	test	un-verified	test	

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
A			ECS elements shall submit TDRSS schedule requests to the NCC.				critical				
EOSD3800#A	A	-5118	The FOS shall have an operational availability of 0.9998 at a minimum (.99997 design goal) and an MDT of one (1) minute or less (0.5 minute design goal) for critical real-time functions that support: a. Launch b. Early orbit checkout c. Disposal d. Orbit adjustment e. Anomaly investigation f. Recovery from safe mode g. Routine real-time commanding and associated monitoring for spacecraft and instrument health and safety	FOS   CSMS		RMA	mission critical	analysis	un-verified	analysis	
EOSD3810#A	A	-5119	The FOS shall have an	FOS   CSMS		RMA	mission essential	analysis	un-verified	analysis	

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			operational availability of 0.99925 at a minimum (.99997 design goal) and an MDT of five (5) minutes or less (0.5 minute design goal) for non-critical real-time functions.								
EOSD5410#A	A	-5187	ECS shall enable the existence of additional ISTs if desired by the PI/TL to accommodate Co-Investigators and Team Members, who may be at geographically separate locations.	FOS		evolvable	mission essential	demo	un-verified	demo	
ICC-0040#A	A	-5260	The ICC shall receive the LTSP and LTIP from the SMC.	FOS+CSMS		functional	mission essential	test	un-verified	test	
ICC-0070#A	A	-6188	The ICC shall be capable of accommodating instrument team-provided software and/or hardware to perform	FOS	A: Basic functionality provided.	functional	mission critical	test	un-verified	test	

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			functions such as: a.-Planning b.-Scheduling c.-Analysis d.-Onboard microprocessor management								
ICC-2115#A	A	-5270	The ICC shall have the capability to plan and schedule instrument maintenance activities.	FOS	A: Basic functionality provided.	functional	mission critical	test	un-verified	test	
ICC-2120#A	A	-5274	The ICC shall accept instrument deviation requests from the IST.	FOS	A: Basic functionality provided.	functional	mission essential	demo	un-verified	demo	
ICC-2180#A	A	-5275	The ICC shall accept from the IST information regarding the resolution of conflicts encountered while building or updating an instrument resource profile or instrument resource deviation list.	FOS		functional	mission essential	demo	un-verified	demo	
ICC-2450#A	A	-4771	The ICC shall accept from the IST notification of problem resolution regarding the	FOS		functional	mission essential	test	un-verified	test	

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			instrument activity list (or the instrument activity deviation list).								
ICC-3020#A	A	-4773	The ICC shall accept the detailed activity schedule or its updates from the EOC.	FOS		functional	mission critical	test	un-verified	test	
ICC-6210#A	A	-5443	The ICC shall provide the SMC and the EOC with access to ICC reports.	FOS + CSMS		functional	mission essential	demo	un-verified	demo	
ICC-7240#A	A	-5457	The IST shall accept from the ICC a request for resolving conflicts identified at the ICC while building or updating plans or schedules for its instrument.	FOS		functional	mission essential	test	un-verified	test	
ICC-7250#A	A	-5458	The IST shall provide the capability to view and evaluate the requests for resolving problems of the instrument plans and schedules.	FOS		functional	mission essential	test	un-verified	test	

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
ICC-7270#A	A	-5459	The IST shall provide the ICC with the results of evaluating the plans and schedules (in response to the conflict resolution requests from the ICC).	FOS		functional	mission essential	test	un-verified	test	
NI-0120#A	A	-2045	ECS shall have the capability to send TDRSS schedule requests to the NCC. These messages will be defined in the ICD-Between the GSFC MOCs and the NCCDS.	FOS		interface	TBD	TBD	un-verified		
NI-0130#A	A	-2047	ECS shall have the capability to receive schedule result messages from the NCC. These messages will be defined in the ICD-Between the GSFC MOCs and the NCCDS.	FOS		interface	TBD	TBD	un-verified		
NI-0140#A	A	-2049	ECS shall	FOS		interface	TBD	TBD	un-verified		

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			have the capability to receive TDRSS schedule messages from the NCC. These messages will be defined in the ICD-Between the GSFC MOCs and the NCCDS.								
NI-0170#A	A	-2056	ECS shall have the capability to communicate with the NCC to co-ordinate support from GN, DSN, and WOTS for EOS missions. This interface is defined in the Operations Interface Procedures Between the Network Control Center (NCC) and the Spaceflight Tracking and Data Network Users.	FOS		interface	TBD	TBD	un-verified		
NI-0210#A	A	-3375	ECS shall have the capability to communicate with the GN, DSN, and	FOS + CSMS		interface	TBD	TBD	un-verified		

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			WOTS via the EDOS/Ecom interface.								
NI-0220#A	A	-3377	ECS shall have the capability to communicate with the GN, DSN, and WOTS for transmitting commands to EOS spacecraft (via the EDOS/Ecom interface). Mission-specific requirements for supporting EOS spacecraft command operations will be documented in the EOS mission-level Detailed Mission Requirements documents.	FOS   CSMS		interface	TBD	TBD	un-verified		
NI-0340-a#A	A	-2071	ECS shall have the capability to receive planning and scheduling information for the EOS spacecraft and instruments from the FDF (FDF)	FOS		interface	TBD	TBD	un-verified		

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			institutional products only). Mission-specific requirements for FDF support of EOS missions will be documented in the EOS mission-level Detailed Mission Requirements documents and FDF-developed ICDs.								
NI-1060#A	A	-6209	The ECS shall contribute a loop delay of not greater than 2.5 seconds of the total system delay of five (5) seconds for emergency real time commands, not including the time needed for command execution. The loop delay is measured from the originator to the spacecraft/instrument and back and only	CSMS		interface		un-verified		un-verified	

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			applies when a TDRSS link is available for contact to the spacecraft.								
AM1-1070#A	A	-3134	The EOC shall provide the capability to receive and process real-time data received as two 16 kbps data streams.	FOS   CSMS		interface	TBD	TBD	un-verified		
EOC-5220#A	A	-4579	The EOC shall be able to process real-time data at rates up to 50 kbps per spacecraft.	FOS	A: Basic functionality provided	functional	mission critical	test	un-verified	test	
ICC-4210#A	A	-5415	The ICC shall be capable of extracting instrument engineering data from instrument science data at science data rates up to 1.544 Mbps.	FOS		functional	mission essential	test	un-verified	test	
ICC-4220#A	A	-5416	The ICC shall be capable of receiving and processing real-time housekeeping and engineering data at rates up to 50 kbps.	FOS	A: Basic functionality provided	functional	mission essential	test	un-verified	test	
AM1-	A	-5609		FOS   CSMS		interface	TBD	TBD	un-verified		

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
0090#A			The AM-1 spacecraft shall have the capability to send (in CADU format) and the EOC shall have the capability to receive (in EDUs containing CCSDS telemetry packets and CLCWs) AM-1 SCC, CTIU, and instrument microprocessor memory dump telemetry packets (as defined in AM-1 ICD 106) via EDOS/Ecom and the SN, GN, DSN, or WOTS interfaces.								
EOC-5045#A	A	-4558	The EOC shall be capable of supporting all EOS telemetry formats for spacecraft and instrument housekeeping data.	FOS		functional	mission critical	test	un-verified	test	
EOC-5050#A	A	-4560	The EOC shall provide the capability to receive and	FOS	A: Basic functionality provided	functional	mission critical	test	un-verified	test	

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			report data quality information with the incoming CCSDS packets as provided by EDOS.								
EOC-5105#A	A	-4569	The EOC shall support the definition of multiple sets of boundary limits for each non-discrete parameter, with each set including definitions for one or more upper and lower boundaries.	FOS		functional	mission critical	test	un-verified	test	
EOC-5120#A	A	-4574	The EOC shall provide the capability to accept temporary or permanent changes to limit definitions.    1418, 1428	FOS		functional	mission critical	test	un-verified	test	
EOC-5200#A	A	-4578	The EOC shall provide the capability to process stored telemetry data at an operator-selectable rate.	FOS	A: Basic functionality provided	functional	mission essential	test	un-verified	test	
ICC-0010#A	A	-5259		FOS	A: Basic	functional	mission	test	un-verified	test	

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			The GSFC ICC shall be responsible for planning, scheduling, commanding, and monitoring the instruments allocated to GSFC in Table D-1, Instrument Manifest.		functionality provided.		critical				
ICC-4050#A	A	-5405	The ICC shall be capable of extracting instrument engineering data from instrument science data.	FOS		functional	mission critical	test	un-verified	test	
ICC-4060#A	A	-5406	The ICC shall support all EOS telemetry formats for instrument engineering data.	FOS		functional	mission critical	test	un-verified	test	
ICC-4070#A	A	-5407	The ICC shall provide the capability to receive and report data quality information with the incoming CCSDS packets as provided by EDOS.	FOS	A: Basic functionality provided.	functional	mission critical	test	un-verified	test	
ICC-4110#A	A	-5410	The ICC shall support the definition of	FOS		functional	mission critical	test	un-verified	test	

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			sets of multiple sets of boundary limits for each non-discrete parameter, with each set including definitions for one or more upper and lower boundaries.								
ICC-4120#A	A	-5411	The ICC shall provide the capability to accept temporary or permanent changes to limit definitions.	FOS		functional	mission critical	test	un-verified	test	
ICC-4130#A	A	-5412	The ICC shall have the capability to continuously process instrument housekeeping and engineering data in real time as it is being received.	FOS		functional	mission critical	test	un-verified	test	
ICC-4200#A	A	-5414	The ICC shall provide the capability to process stored telemetry.	FOS		functional	mission essential	test	un-verified	test	
ICC-4440#A	A	-5419	The ICC shall provide the capability to determine,	FOS	A: Basic functionality provided.	functional	mission critical	test	un-verified	test	

RBR_paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			for specified parameters over a specified time interval, at a minimum the following: a. Minimum value b. Maximum value c. Mean value d. Standard deviation of the parameter e. Time and duration of limit violations								
EOC-7040#A	A	-4602	The EOC shall provide accounting information on the contents of the PDB.	FOS		functional	mission essential	test	un-verified	test	
EOC-7020#A	A	-4595	The EOC shall maintain the latest two versions of the PDB.	FOS		functional	mission critical	demo	un-verified	demo	
ICC-4720#A	A	-5427	The ICC shall maintain the latest two versions of the IDB.	FOS		functional	mission critical	test	un-verified	test	
ICC-4765#A	A	-5432	The ICC shall provide the PI/TL at the IST access to any data in the IDB.	FOS		functional	mission essential	demo	un-verified	demo	
EOC-5190#A	A	-4577	The EOC shall provide the capability to store	FOS		functional	mission critical	analysis	un-verified	analysis	

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
			spacecraft recorder housekeeping data as they are received from EDOS in CCSDS packets.								

***Attachment 3B***

***Delete RBR Segment Allocation to FOS***

***CCR #96-0515B***

***RTM Baseline: 5/03/96***

***Query Date: 5/28/96***

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
EOSD0510#A	A	4784	ECS shall be capable of being tested during all phases of its development and flight operations.	FOS   SDPS   CSMS		functional	mission essential	test	un-verified	test	
EOSD2650#A	A	5072	ECS elements shall report detected security violations to the SMC.	FOS   SDPS   CSMS		security	mission essential	test	un-verified	test	

**Attachment 4**

**Add New RBRs**

**CCR #96-0515B**

**RTM Baseline Version 5/03/96**

**Query Date 5/6/96**

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
EOC-3160#A	A	new	<u>The EOC shall generate operational reports.</u>	FOS	<u>A: Microprocessor Load Reports and Table Load Reports</u>	functional	mission critical	demo	un-verified	demo	
EOC-6110#A	A	new	<u>The EOC shall provide the capability to monitor and evaluate the spacecraft functions, resources, and performance including, at a minimum, the following:</u> <u>a. Stored command processing.</u>	FOS		functional	mission critical	demo	un-verified	demo	
EOC-3238#A	A	new	<u>Within 1 minute of detecting a predefined emergency/contingency situation, the EOC shall prepare spacecraft and instrument commands for transmission to EDOS.</u>	FOS		functional	mission critical	test	un-verified	test	
EOC-7150#A	A	new	The EOC	FOS		functional	mission	inspection	un-verified	inspection	

RBR paragraph_id	release	requirement_ key	text	segment_allo cation	req_interpreta tion	req_type	req_category	s_verification _method	s_verification _status	a_verification _method	a_verification _status
			<u>shall store the technical documentation on the spacecraft hardware and software from before launch through the end of spacecraft operation.</u>				<u>fulfillment</u>				
EOC-7160#A	A	<u>new</u>	<u>The EOC shall be capable of updating the spacecraft technical documentati on.</u>	FOS		<u>functiona</u>	<u>mission fulfillment</u>	<u>demo</u>	<u>un-verified</u>	<u>demo</u>	
EOC-8372#B	B	<u>new</u>	<u>The EOC shall be capable of accessing ICC reports.</u>	FOS	EOC to ICC interface	<u>functional</u>	<u>mission essential</u>	<u>demo</u>	<u>un-verified</u>	<u>test</u>	
EOC-5030#A	A	<u>new</u>	<u>The EOC shall provide the capability to receive and process non- telemetry data, which includes, at a minimum, the following: a. Messages from the NCC.</u>	FOS		<u>functional</u>	<u>mission critical</u>	<u>test</u>	<u>un-verified</u>	<u>test</u>	
EOC-8140#A	A	<u>new</u>	<u>The EOC shall manage initialization and shutdown of EOC functions.</u>	FOS		<u>functional</u>	<u>mission critical</u>	<u>test</u>	<u>un-verified</u>	<u>test</u>	

RBR paragraph_id	release	requirement_key	text	segment_allocation	req_interpretation	req_type	req_category	s_verification_method	s_verification_status	a_verification_method	a_verification_status
<u>ICC-0030#A</u>	A	<u>new</u>	<u>The ICC shall have the capability to notify the TL or instrument PI at the IST of, at a minimum, the following:</u> <u>a. Conflicts found in planning and scheduling.</u>	FOS	<u>EOC to ICC interface.</u>	<u>functional</u>	<u>mission critical</u>	<u>test</u>	<u>un-verified</u>	<u>test</u>	
<u>ICC-2300#A</u>	A	<u>new</u>	<u>The ICC shall accept from the EOC a notification of rejection of instrument activities.</u>	FOS		<u>functional</u>	<u>mission critical</u>	<u>test</u>	<u>un-verified</u>	<u>test</u>	
<u>ICC-6070#A</u>	A	<u>new</u>	<u>The ICC shall manage initialization and shutdown of ICC functions.</u>	FOS		<u>functional</u>	<u>mission critical</u>	<u>test</u>	<u>un-verified</u>	<u>test</u>	
<u>ICC-3010#A</u>	A	<u>new</u>	<u>The ICC shall validate SCC-stored instrument tables, as appropriate, that are generated at the ICC.</u>	FOS		<u>functional</u>	<u>mission critical</u>	<u>test</u>	<u>un-verified</u>	<u>test</u>	
<u>FOS-0040#C</u>	C	<u>new</u>	<u>The FOS shall be capable of supporting flight operations</u>	FOS	<u>C: Follow-on mission support.</u>	<u>functional</u>	<u>mission critical</u>	<u>test</u>	<u>un-verified</u>	<u>test</u>	

RBR paragraph_id	release	requirement_ key	text	segment_allo cation	req_interpreta tion	req_type	req_category	s_verification _method	s_verification _status	a_verification _method	a_verification _status
			<u>of the EOS spacecraft and instruments as listed in Table D-1 that are controlled from GSFC.</u>								
FOS-0050#C	C	<u>new</u>	<u>The FOS design shall include hooks to allow the FOS to support additional EOS spacecraft and U.S. instruments without major redesign.</u>	FOS		<u>functional</u>	<u>mission critical</u>	<u>test</u>	<u>un-verified</u>		
EOSD5410#C	C	<u>new</u>	<u>ECS shall enable the existence of additional ISTs if desired by the PI/TL to accommodat e Co- Investigator s and Team Members, who may be at geographical ly separate locations.</u>	FOS		<u>evolvable</u>	<u>mission essential</u>	<u>demo</u>	<u>un-verified</u>	<u>demo</u>	
EOSD0545#C	C	<u>new</u>	<u>ECS shall be able to accommodat e growth (e.g., capacity) in all of its functions as well as the addition of</u>	FOS   SDPS   CSMS	<u>For compliance refer to Segment Specification 305/DV2, System Design Spec (SDS) 207/SE1.</u>	<u>functional</u>	<u>mission fulfillment</u>	<u>analysis</u>	<u>un-verified</u>	<u>analysis</u>	

RBR paragraph_id	release	requirement_ key	text	segment_allo cation	req_interpreta tion	req_type	req_category	s_verification _method	s_verification _status	a_verification _method	a_verification _status
			<u>new functions.</u>		<u>C: Follow- on mission support</u>						

**Attachment 5**

**Delete FOS L4 Requirement**

CCR #96-0515B

RTM Baseline Version 5/03/96

Query Date 5/6/96

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
F-RMS-01040	B	-4807	The EOC shall provide the capability to authorize an IP ICC operator to command an IP instrument.	No spacecraft or other instrument commands can be sent while an IP ICC operator is commanding an IP instrument.	functional		test	N
F-RMS-01050	B	-4808	The EOC shall accept, validate, and process IP ICC operator requests to acquire the spacecraft command privilege.		interface		test	N
F-TLM-00520	A	-1385	The FOS shall support the decommutation of instrument engineering telemetry for the EOS instruments.		functional		test	Y
F-TLM-00545	A	-1390	The FOS shall be capable of continuously decommutating real-time instrument engineering telemetry at rates up to 50 Kbps per spacecraft.		performance		test	Y
F-TLM-01810	B	-1474	The EOC shall provide the capability to collect predefined parameter data from the spacecraft housekeeping telemetry.		functional		demo	Y
F-TLM-01815	B	-1475	The EOC shall provide the capability to collect telemetry parameters based upon a user specified time period.	The parameters may be collected from either real-time or stored historical telemetry data.	functional		test	Y
F-TLM-01820	B	-1476	The EOC shall provide the capability to collect parameter values as raw or EU converted values.		functional		test	Y
F-TLM-01835	B	-1479	The EOC shall provide the capability of simultaneously storing the data while forwarding the data to the		functional		test	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			FDF.					
F-TLM-10436	A	-2224	The FOS shall accept AM-1 instrument science telemetry packets of lengths up to 7695 octets.	Instrument engineering data will be decommutated from the science telemetry stream. Instrument engineering telemetry decommutation will not occur real-time as this data is not routed to the EOC during spacecraft contact periods.	interface		test	Y
F-TLM-10480	A	-2232	The FOS shall be capable of extracting up to 7680 octets of telemetry information from the low-rate science packet application data field.		functional		demo	Y
F-TLM-10485	A	-2233	The FOS shall be capable of extracting up to 1025 octets of telemetry information from the high-rate science packet application data field.	Requirements 10480 and 10485 permit the processing of AM-1 instrument engineering data.	functional		demo	Y
F-TLM-01525	B	-1459	The EOC shall be capable of receiving and storing real-time instrument engineering telemetry at rates up to 50 Kbps for each EOC controlled spacecraft.		performance		test	Y
F-TLM-01530	B	-1460	The EOC shall be capable of receiving and storing spacecraft recorder playback instrument engineering telemetry at rates up to 1.544 Mbps for each EOC controlled spacecraft.	See mission specific requirement.	performance		test	Y
F-TLM-01535	B	-1461	The FOS shall notify the user when the start of a spacecraft recorder playback collection is recognized.	Storage of spacecraft recorder data is started at this time.	functional		test	Y
F-TLM-10565	A	-2241	The FOS shall be capable of continuously decommutating real-time instrument health and safety telemetry at a rate of 1 Kbps.		performance		test	Y
F-TLM-10585	A	-2245	The FOS shall be capable of decommutating replayed instrument engineering telemetry at a rate of 16 Kbps.		performance		test	Y
F-TLM-11525	B	-2251	The EOC shall be capable of receiving and storing real-time instrument engineering	AM-1 instrument engineering data will be routed directly to the	performance		test	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			telemetry at rates up to 50 Kbps for each EOC controlled spacecraft.	DAAC. Therefore, the EOC does not store AM-1 instrument engineering telemetry data.				
F-CMD-03420	A	-1536	The EOC shall verify prior to acceptance of a command that the operator issuing the command has authorization for that specific command.	Each operator will have a set of authorized commands which that operator is entitled to issue. For example, an ICC is restricted to its suite of instrument commands, and cannot issue spacecraft commands.	functional		test	Y
F-PAS-00110	B	-1111	The FOS shall provide the capability for an authorized user to undo an update to a mission schedule for a specific spacecraft.		functional		test	Y
F-PAS-00620	A	-1155	The FOS shall provide the capability for an authorized user to replace resource reservation activities with detailed activities.		functional		test	Y
F-PAS-00825	A	-1163	The FOS shall not allow resource reservation request activities to be on the Detailed Activity Schedule.		functional		test	Y
F-PAS-00830	A	-1164	The FOS shall provide the capability for an authorized user to re-release a subset of the previously released Detailed Activity Schedule for command generation.	The start and end times for this subset will be within the original start and end times for the previously released DAS. The concept here is that the FOT will add new activities and eliminate any conflicts. Once they have generated a good mission schedule a new DAS will be released.	functional		test	Y
F-PAS-10003	B	-2144	The EOC shall provide the AM-1 Long Term Science Plan to the ASTER ICC as specified in the ASTER-ICC ICD.		interface		demo	Y
F-PAS-10005	B	-2145	The EOC shall provide the AM-1 Long Term Instrument Plans to the ASTER ICC as specified in the ASTER-ICC ICD.		interface		demo	Y
F-PAS-	B	-2146	The EOC shall provide the		interface		demo	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
10007			AM-1 long term spacecraft operations plan to the ASTER ICC as specified in the ASTER ICC ICD.					
F-PAS-10315	B	-9267	The FOS shall accept resource reservation activities from the ASTER ICC.		interface		demo	N
F-PAS-10540	B	-2175	The FOS shall provide the capability to model the following modes for the MISR instrument: a. Global (TBR) b. Local (TBR) c. Calibration (TBR) d. Dark (TBR) e. Standby (TBR) f. Safe (TBR) g. Survival (TBR) h. Test (TBR) i. OFF (TBR)		functional		test	Y
F-PAS-10545	B	-2176	The FOS shall provide the capability to model the following modes for the MODIS instrument: a. Launch (TBR) b. Survival (TBR) c. Safe (TBR) d. Standby (TBR) e. Outgas (TBR) f. Science/Day (TBR) g. Science/Night (TBR) h. Calibration/SD View (TBR) i. Calibration/SRCA View (TBR) j. Calibration/Blackbody (TBR) k. Calibration/Space (TBR)		functional		test	Y
F-PAS-10550	B	-2177	The FOS shall provide the capability to model the following modes for the MOPITT instrument: a. Off (TBR) b. Emergency (TBR) c. Launch (TBR) d. Idle (TBR) e. Ready (TBR)		functional		test	Y
F-PAS-10555	A	-9317	The FOS shall provide the capability to model the following modes for the		functional		test	N

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			<p>ASTER instrument-based on activities received from the ASTER ICC:</p> <ul style="list-style-type: none"> <li>a. Observation Mode           <ul style="list-style-type: none"> <li>1. Full (TBR)</li> <li>2. VNIR (TBR)</li> <li>3. VNIR-Stereo (TBR)</li> <li>4. TIR (TBR)</li> <li>5. SWIR &amp; TIR (TBR)</li> </ul> </li> <li>b. VNIR Calibration Mode           <ul style="list-style-type: none"> <li>1. Pre-Calibration (TBR)</li> <li>2. Optical Calibration (TBR)</li> <li>3. Dark Calibration (TBR)</li> <li>4. Electric Calibration (TBR)</li> </ul> </li> <li>c. SWIR Calibration Mode           <ul style="list-style-type: none"> <li>1. Pre-Calibration (TBR)</li> <li>2. Optical Calibration (TBR)</li> <li>3. Dark Calibration (TBR)</li> </ul> </li> <li>d. VNIR &amp; SWIR Calibration Mode           <ul style="list-style-type: none"> <li>1. Pre-Calibration (TBR)</li> <li>2. Optical Calibration (TBR)</li> <li>3. Dark Calibration (TBR)</li> </ul> </li> <li>e. TIR Long Term Calibration           <ul style="list-style-type: none"> <li>1. Pre-Calibration (TBR)</li> <li>2. Optical Calibration (TBR)</li> <li>3. Dark Calibration (TBR)</li> </ul> </li> <li>f. TIR Short Term Calibration           <ul style="list-style-type: none"> <li>1. Calibration 1 (TBR)</li> <li>2. Calibration 2 (TBR)</li> </ul> </li> <li>g. Pointing Mode           <ul style="list-style-type: none"> <li>1. VNIR (TBR)</li> <li>2. SWIR (TBR)</li> <li>3. TIR-1 (TBR)</li> <li>4. TIR-2 (TBR)</li> </ul> </li> <li>h. Standby Mode           <ul style="list-style-type: none"> <li>1. Standby 1 (TBR)</li> <li>2. Standby 2 (TBR)</li> </ul> </li> <li>i. All-Off Mode (TBR)</li> <li>j. Launch Mode (TBR)</li> <li>k. Launch-lock Off Mode (TBR)</li> <li>l. Safe Mode (TBR)</li> <li>m. Survival Mode</li> </ul>					

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			n. Other Modes 1. Cool Down (TBR) 2. Prep 1 a. TIR Prep 1 (TBR) b. TIR Short Term Calibration 1 (TBR) 3. Prep 2 a. Standby 2 (TBR) b. TIR Prep 2 (TBR) c. SWIR & TIR Prep (TBR) d. TIR Short Term Calibration 2 (TBR) e. TIR Pointing 2 (TBR) 4. TIR-Getter a. TIR-Getter Off (TBR) b. TIR-Getter On (TBR) 5. TIR-Cool Down (TBR)					
F-PAS-10620	B	-2186	The FOS shall provide the capability to display target locations on a graphical map display with relation to spacecraft ground track.	This is required in support of MISR-instrument operations.	functional		test	Y
F-FUI-05305	B	-1888	The FOS shall display an indication of the instrument(s) affected by critical commands within a ground script.		functional		test	Y
F-FUI-05310	B	-1889	The FOS shall display an indication of whether any of the spacecraft subsystems are affected by critical commands within a ground script.		functional		test	Y
F-FUI-05320	B	-1891	The IST shall provide the PI/TL the capability to approve a ground script containing critical commands that affect the PI/TL's instrument.		functional		test	Y
F-FUI-05325	B	-1892	The FOS shall provide an authorized EOC user the capability to approve a ground script containing critical commands that affect the spacecraft.		functional		test	Y
F-FUI-05330	B	-1893	The FOS shall provide an authorized EOC user the capability to override the ground script approval		functional		test	Y

paragraph_id	release	requirement_key	text	clarification	req_type	req_status	verification_method	source_requirement
			process.					
F-FUI-12315	B	-2273	The FOS shall provide the means of stepping forward through the telemetry data by single major cycles.		functional		demo	Y
F-FUI-09180	B	-9308	The FOS shall provide the capability to print an analysis request.		functional		demo	N

**Attachment 6****Change L4 Release Allocations****CCR # 96-0515B****RTM Baseline Version 5/03/96****Query Date 5/6/96**

L4 Requirement	Old Release	New Release
F-ANA-01025	A	B
F-ANA-01040	A	B
F-ANA-01050	A	B
F-ANA-01060	A	B
F-ANA-03180	A	B
F-ANA-03190	A	B
F-ANA-04025	A	B
F-ANA-04310	A	B
F-ANA-05100	A	B
F-ANA-05120	A	B
F-ANA-05130	A	B
F-ANA-05140	A	B
F-ANA-05150	A	B
F-CMD-01125	A	B
F-CMD-01130	A	B
F-CMD-01135	A	B
F-CMD-01165	A	B
F-CMD-01230	A	B
F-CMD-01250	A	B
F-CMD-01320	A	B
F-CMD-02120	A	B
F-CMD-02125	A	B
F-CMD-03110	B	A
F-CMD-03115	B	A
F-CMD-03125	B	A
F-CMD-03130	B	A
F-CMD-03133	B	A
F-CMD-03135	B	A
F-CMD-03210	B	A
F-CMD-03215	B	A
F-CMD-03225	B	A
F-CMD-04130	A	B
F-CMD-11211	A	B
F-CMD-11212	A	B
F-CMD-11215	A	B
F-CMD-11220	A	B
F-CMD-11225	A	B

L4 Requirement	Old Release	New Release
F-CMD-12240	A	B
F-CMD-14315	A	B
F-CMS-00205	A	B
F-CMS-00230	A	B
F-CMS-00425	B	A
F-CMS-00640-	B	A
F-CMS-00675	A	B
F-CMS-00725	A	B
F-CMS-00728	A	B
F-CMS-00810	A	B
F-CMS-00910	A	B
F-CMS-01010	B	A
F-CMS-01020	B	A
F-CMS-01030	B	A
F-CMS-01120	B	A
F-CMS-01150	B	A
F-CMS-01210	A	B
F-CMS-01330	B	A
F-CMS-01775	A	B
F-CMS-10210	A	B
F-CMS-10220	A	B
F-DMS-00180	A	B
F-DMS-00205	A	B
F-DMS-00210	A	B
F-DMS-00215	A	B
F-DMS-00220	A	B
F-DMS-00225	A	B
F-DMS-00230	A	B
F-DMS-00250	A	B
F-DMS-00255	A	B
F-DMS-00260	A	B
F-DMS-00265	A	B
F-DMS-00270	A	B
F-DMS-00410	A	B
F-DMS-00420	A	B
F-DMS-00510	A	B
F-DMS-00520	A	B
F-DMS-00530	A	B
F-DMS-00540	A	B
F-DMS-00550	A	B
F-DMS-00640	A	B
F-DMS-00650	A	B
F-DMS-00720	A	B

L4 Requirement	Old Release	New Release
F-DMS-00730	A	<u>B</u>
F-DMS-00740	A	<u>B</u>
F-DMS-00760	A	<u>B</u>
F-DMS-00810	A	<u>B</u>
F-DMS-00820	A	<u>B</u>
F-DMS-00830	A	<u>B</u>
F-DMS-00840	A	<u>B</u>
F-DMS-00920	A	<u>B</u>
F-DMS-01230	B	<u>A</u>
F-DMS-01240	B	<u>A</u>
F-DMS-01250	B	<u>A</u>
F-DMS-01260	B	<u>A</u>
F-DMS-10110	A	<u>B</u>
F-FOS-00085	A	<u>B</u>
F-FOS-00175	A	<u>B</u>
F-FOS-00335	A	<u>B</u>
F-FOS-00430	A	<u>B</u>
F-FOS-00435	A	<u>B</u>
F-FOS-00445	A	<u>B</u>
F-FOS-00465	A	<u>B</u>
F-FOS-00470	A	<u>B</u>
F-FOS-00475	A	<u>B</u>
F-FOS-00480	A	<u>B</u>
F-FOS-00610	B	<u>C</u>
F-FOS-00620	B	<u>C</u>
F-FUI-01125	A	<u>B</u>
F-FUI-01150	A	<u>B</u>
F-FUI-01180	A	<u>B</u>
F-FUI-01185	A	<u>B</u>
F-FUI-01310	B	<u>A</u>
F-FUI-01315	B	<u>A</u>
F-FUI-01430	A	<u>B</u>
F-FUI-01435	A	<u>B</u>
F-FUI-01565	A	<u>B</u>
F-FUI-01580	A	<u>B</u>
F-FUI-01600	A	<u>B</u>
F-FUI-01605	A	<u>B</u>
F-FUI-01615	A	<u>B</u>
F-FUI-02600	A	<u>B</u>
F-FUI-02605	A	<u>B</u>
F-FUI-02635	A	<u>B</u>
F-FUI-02725	B	<u>A</u>
F-FUI-02830	A	<u>B</u>

L4 Requirement	Old Release	New Release
F-FUI-02835	A	<u>B</u>
F-FUI-02860	A	<u>B</u>
F-FUI-02962	A	<u>B</u>
F-FUI-02963	A	<u>B</u>
F-FUI-02964	A	<u>B</u>
F-FUI-02965	A	<u>B</u>
F-FUI-02967	A	<u>B</u>
F-FUI-02970	A	<u>B</u>
F-FUI-02975	A	<u>B</u>
F-FUI-02980	A	<u>B</u>
F-FUI-02985	A	<u>B</u>
F-FUI-02990	A	<u>B</u>
F-FUI-02991	A	<u>B</u>
F-FUI-03050	A	<u>B</u>
F-FUI-03055	A	<u>B</u>
F-FUI-03060	A	<u>B</u>
F-FUI-03061	A	<u>B</u>
F-FUI-05200	A	<u>B</u>
F-FUI-05510	A	<u>B</u>
F-FUI-05515	A	<u>B</u>
F-FUI-06240	A	<u>B</u>
F-FUI-06245	A	<u>B</u>
F-FUI-06337	<u>B</u>	<u>A</u>
F-FUI-06395	<u>B</u>	<u>A</u>
F-FUI-06400	<u>B</u>	<u>A</u>
F-FUI-06405	<u>B</u>	<u>A</u>
F-FUI-06430	<u>B</u>	<u>A</u>
F-FUI-06435	<u>B</u>	<u>A</u>
F-FUI-06470	A	<u>B</u>
F-FUI-07100	A	<u>B</u>
F-FUI-07120	A	<u>B</u>
F-FUI-07200	A	<u>B</u>
F-FUI-07300	A	<u>B</u>
F-FUI-07310	A	<u>B</u>
F-FUI-07600	A	<u>B</u>
F-FUI-07710	A	<u>B</u>
F-FUI-07720	A	<u>B</u>
F-FUI-09112	A	<u>B</u>
F-FUI-09115	A	<u>B</u>
F-FUI-09140	A	<u>B</u>
F-FUI-09145	A	<u>B</u>
F-FUI-09170	<u>B</u>	<u>A</u>
F-FUI-09205	A	<u>B</u>
F-FUI-09210	A	<u>B</u>
F-FUI-09410	A	<u>B</u>

L4 Requirement	Old Release	New Release
F-FUI-09415	A	<u>B</u>
F-FUI-09510	A	<u>B</u>
F-FUI-09515	A	<u>B</u>
F-FUI-09645	A	<u>B</u>
F-FUI-09650	A	<u>B</u>
F-FUI-09700	A	<u>B</u>
F-FUI-09705	A	<u>B</u>
F-FUI-12800	A	<u>B</u>
F-FUI-17265	A	<u>B</u>
F-FUI-17270	A	<u>B</u>
F-FUI-17800	A	<u>B</u>
F-FUI-17810	A	<u>B</u>
F-FUI-17820		<u>B</u>
F-FUI-02840	A	<u>B</u>
F-FUI-05105	A	<u>B</u>
F-FUI-07305	A	<u>B</u>
F-FUI-07315	A	<u>B</u>
F-FUI-07320	A	<u>B</u>
F-FUI-07325	A	<u>B</u>
F-FUI-07330	A	<u>B</u>
F-FUI-07345	A	<u>B</u>
F-FUI-07360	A	<u>B</u>
F-FUI-07365	A	<u>B</u>
F-FUI-07370	A	<u>B</u>
F-FUI-07375	A	<u>B</u>
F-FUI-07388	A	<u>B</u>
F-FUI-07394	A	<u>B</u>
F-FUI-07396	A	<u>B</u>
F-FUI-07400	A	<u>B</u>
F-FUI-07415	A	<u>B</u>
F-FUI-07425	A	<u>B</u>
F-FUI-04020	<u>B</u>	<u>A</u>
F-FUI-04090	A	<u>B</u>
F-FUI-04100	A	<u>B</u>
F-FUI-04110	<u>B</u>	<u>A</u>
F-FUI-04300	<u>B</u>	<u>A</u>
F-PAS-00010	A	<u>B</u>
F-PAS-00015	A	<u>B</u>
F-PAS-00020	A	<u>B</u>
F-PAS-00025	A	<u>B</u>
F-PAS-00030	A	<u>B</u>
F-PAS-00035	A	<u>B</u>
F-PAS-00103	A	<u>B</u>

L4 Requirement	Old Release	New Release
F-PAS-00105	A	<u>B</u>
F-PAS-00120	A	<u>B</u>
F-PAS-00135	A	<u>B</u>
F-PAS-00137	A	<u>B</u>
F-PAS-00138	A	<u>B</u>
F-PAS-00140	A	<u>B</u>
F-PAS-00145	A	<u>B</u>
F-PAS-00150	A	<u>B</u>
F-PAS-00153	A	<u>B</u>
F-PAS-00155	A	<u>B</u>
F-PAS-00310	B	<u>A</u>
F-PAS-00335	A	<u>B</u>
F-PAS-00410	A	<u>B</u>
F-PAS-00420	A	<u>B</u>
F-PAS-00500	B	<u>A</u>
F-PAS-00503	B	<u>A</u>
F-PAS-00505	B	<u>A</u>
F-PAS-00700	A	<u>B</u>
F-PAS-00705	A	<u>B</u>
F-PAS-00800	A	<u>B</u>
F-PAS-00805	A	<u>B</u>
F-PAS-00810	A	<u>B</u>
F-PAS-00815	A	<u>B</u>
F-PAS-00835	A	<u>B</u>
F-PAS-00840	A	<u>B</u>
F-PAS-00905	A	<u>B</u>
F-PAS-01000	B	<u>A</u>
F-PAS-01120	A	<u>B</u>
F-PAS-01205	A	<u>B</u>
F-PAS-10400	A	<u>B</u>
F-PAS-10405	A	<u>B</u>
F-PAS-10410	A	<u>B</u>
F-PAS-10415	A	<u>B</u>
F-PAS-10420	A	<u>B</u>
F-PAS-10425	A	<u>B</u>
F-PAS-10430	A	<u>B</u>
F-PAS-10435	A	<u>B</u>
F-PAS-10615	A	<u>B</u>
F-PAS-10700	A	<u>B</u>
F-PAS-10705	A	<u>B</u>
F-RMS-00020	B	<u>A</u>
F-RMS-00030	A	<u>B</u>
F-RMS-00080	A	<u>B</u>
F-RMS-00090	A	<u>B</u>

L4 Requirement	Old Release	New Release
F-RMS-00100	A	B
F-RMS-00110	A	B
F-RMS-00160	A	B
F-RMS-00170	A	B
F-RMS-01060	A	B
F-RMS-01070	A	B
F-RMS-04020	B	A
F-RMS-04100	B	A
F-RMS-04110	B	A
F-TLM-00115	A	B
F-TLM-00120	A	B
F-TLM-00310	A	B
F-TLM-00315	A	B
F-TLM-00535	A	B
F-TLM-00540	A	B
F-TLM-00810	A	B
F-TLM-00815	A	B
F-TLM-00820	A	B
F-TLM-00915	A	B
F-TLM-00920	A	B
F-TLM-00925	A	B
F-TLM-00970	A	B
F-TLM-01020	A	B
F-TLM-01025	A	B
F-TLM-01030	A	B
F-TLM-01035	A	B
F-TLM-01045	A	B
F-TLM-01050	A	B
F-TLM-01120	A	B
F-TLM-01130	A	B
F-TLM-01145	A	B
F-TLM-01150	A	B
F-TLM-01155	A	B
F-TLM-01160	A	B
F-TLM-01165	A	B
F-TLM-01210	A	B
F-TLM-01215	A	B
F-TLM-01220	A	B
F-TLM-01225	A	B
F-TLM-01230	A	B
F-TLM-01235	A	B
F-TLM-01415	A	B
F-TLM-01425	A	B
F-TLM-01510	A	B

L4 Requirement	Old Release	New Release
F-TLM-01515	A	B
F-TLM-01720	A	B
F-TLM-10125	A	B
F-TLM-10420	A	B
F-TLM-10430	A	B
F-TLM-10460	A	B
F-TLM-10470	A	B
F-TLM-10535	A	B
F-TLM-10540	A	B
F-TLM-10550	A	B
F-TLM-10555	A	B
F-TLM-10560	A	B
F-TLM-10570	A	B
F-TLM-10575	A	B
F-TLM-10580	A	B
F-TLM-10810	A	B
F-ANA-05110	A	B
F-PAS-10570	A	B

**Attachment 7****Delete Links between RBR and L4****CCR # 96-0515B****RTM Baseline Version 5/03/96****Query Date 5/6/96**

RBR paragraph_id	L4 paragraph_id
EOC-6010#A	F-ANA-01040
EOC-6010#A	F-ANA-01050
EOC-6010#A	F-ANA-01060
EOC-6010#A	F-ANA-04025
EOC-6050#A	F-ANA-01025
EOC-6050#A	F-ANA-03125
EOC-6050#A	F-ANA-03180
EOC-6050#A	F-ANA-03190
EOC-6050#A	F-ANA-04310
EOC-6050#A	F-ANA-05100
EOC-6050#A	F-ANA-05110
EOC-6050#A	F-ANA-05120
EOC-6050#A	F-ANA-05130
EOC-6050#A	F-ANA-05140
EOC-6050#A	F-ANA-05150
EOC-6100#A	F-ANA-04310
ICC-4490#A	F-ANA-04310
ICC-7070#A	F-ANA-01025
ICC-7070#A	F-ANA-01030
AM1-0020#A	F-CMD-01125
AM1-0130#A	F-CMD-01125
AM1-0135#A	F-CMD-01125
EOC-4005#A	F-CMD-01125
NI-0210#A	F-CMD-01125
NI-0220#A	F-CMD-01125
AM1-0020#A	F-CMD-01130
AM1-0130#A	F-CMD-01130
AM1-0135#A	F-CMD-01130
EOC-4005#A	F-CMD-01130
NI-0210#A	F-CMD-01130
NI-0220#A	F-CMD-01130
AM1-0020#A	F-CMD-01135
AM1-0130#A	F-CMD-01135
AM1-0135#A	F-CMD-01135
EOC-4005#A	F-CMD-01135
NI-0210#A	F-CMD-01135

RBR paragraph_id	L4 paragraph_id
NI-0220#A	F-CMD-01135
AM1-0020#A	F-CMD-01165
AM1-0130#A	F-CMD-01165
AM1-0135#A	F-CMD-01165
EOC-4005#A	F-CMD-01165
EOC-4200#A	F-CMD-01230
EOC-4200#A	F-CMD-01250
EOC-4020#A	F-CMD-01320
AM1-0030#A	F-CMD-02120
EDOS-A.1.2#A	F-CMD-02120
EOC-4010#A	F-CMD-02120
EOC-4015#B	F-CMD-03110
EOC-4015#B	F-CMD-03115
EOC-8130#B	F-CMD-03115
EOC-4015#B	F-CMD-03125
EOC-4015#B	F-CMD-03130
EOC-4018#B	F-CMD-03130
EOC-4015#B	F-CMD-03133
EOC-4018#B	F-CMD-03133
EOC-4015#B	F-CMD-03135
EOC-4018#B	F-CMD-03135
EOC-4100#B	F-CMD-03210
EOC-4100#B	F-CMD-03215
EOC-4100#B	F-CMD-03225
ASTER-0520#B	F-CMD-03420
EOC-4015#A	F-CMD-03420
EOC-4015#B	F-CMD-03420
EOC-4018#A	F-CMD-03420
EOC-4018#B	F-CMD-03420
EOC-4140#A	F-CMD-04130
AM1-1050#A	F-CMD-11211
EOC-4200#A	F-CMD-11211
AM1-1050#A	F-CMD-11212
EOC-4200#A	F-CMD-11212
AM1-1050#A	F-CMD-11215
EOC-4200#A	F-CMD-11215
AM1-1050#A	F-CMD-11220
EOC-4200#A	F-CMD-11220
AM1-1050#A	F-CMD-11225
EOC-4200#A	F-CMD-11225
EOC-4015#A	F-CMD-14315
EOC-3015#A	F-CMS-00728
EOC-3015#A	F-CMS-01028
EOC-3017#A	F-PAS-00145

RBR paragraph_id	L4 paragraph_id
EOC-3020#A	F-CMS-00725
EOC-3090#A	F-CMS-00230
EOC-3090#A	F-CMS-00205
EOC-3090#A	F-CMS-00810
EOC-3090#A	F-CMS-10210
EOC-3090#A	F-CMS-10220
FOS-0040#A	F-CMS-00305
FOS-0040#A	F-CMS-00640
FOS-0040#A	F-CMS-00670
FOS-0040#A	F-CMS-00675
FOS-0040#B	F-CMS-00305
FOS-0040#B	F-CMS-00610
FOS-0040#B	F-CMS-00615
FOS-0040#B	F-CMS-00640
FOS-0040#B	F-CMS-00670
FOS-0040#B	F-CMS-00675
FOS-0040#B	F-CMS-00660
FOS-0040#B	F-CMS-00910
FOS-0040#B	F-CMS-01210
FOS-0040#B	F-CMS-01775
ICC-3010#B	F-CMS-10750
ICC-3010#B	F-CMS-11510
ICC-3040#B	F-CMS-00950
ICC-3210#A	F-CMS-00725
AM1-0230#A	F-DMS-00180
EOC-7010#A	F-DMS-00180
EOC-7010#A	F-DMS-00640
EOC-7010#A	F-DMS-00650
EOC-7010#A	F-DMS-10110
EOC-7015#A	F-DMS-00180
EOC-7025#A	F-DMS-00205
EOC-7025#A	F-DMS-00210
EOC-7025#A	F-DMS-00215
EOC-7025#A	F-DMS-00220
EOC-7025#A	F-DMS-00225
EOC-7025#A	F-DMS-00230
EOC-7025#A	F-DMS-00250
EOC-7025#A	F-DMS-00255
EOC-7025#A	F-DMS-00260
EOC-7045#A	F-DMS-00265
EOC-7045#A	F-DMS-00410
EOC-7045#A	F-DMS-00420
EOC-7060#A	F-DMS-00720
EOC-7060#A	F-DMS-00730

RBR paragraph_id	L4 paragraph_id
EOC-7060#A	F-DMS-00740
EOC-7060#A	F-DMS-00760
EOC-7060#A	F-DMS-00810
EOC-7060#A	F-DMS-00820
EOC-7060#A	F-DMS-00830
EOC-7060#A	F-DMS-00920
EOC-7060#B	F-DMS-01250
EOC-7060#B	F-DMS-01260
EOC-7120#A	F-DMS-00760
EOC-7120#A	F-DMS-00840
ICC-4710#A	F-DMS-00180
ICC-4730#A	F-DMS-00205
ICC-4730#A	F-DMS-00210
ICC-4730#A	F-DMS-00215
ICC-4730#A	F-DMS-00220
ICC-4730#A	F-DMS-00225
ICC-4730#A	F-DMS-00230
ICC-4730#A	F-DMS-00250
ICC-4730#A	F-DMS-00255
ICC-4730#A	F-DMS-00260
ICC-4730#A	F-DMS-00265
ICC-4775#A	F-DMS-00180
ICC-4780#A	F-DMS-00720
ICC-4780#A	F-DMS-00730
ICC-4780#A	F-DMS-00740
ICC-4780#A	F-DMS-00760
ICC-4780#A	F-DMS-00810
ICC-4780#A	F-DMS-00820
ICC-4780#A	F-DMS-00830
ICC-4780#A	F-DMS-00920
ICC-4790#A	F-DMS-00840
ICC-7050#A	F-DMS-00180
ICC-7510#A	F-DMS-00840
EOC-8285#A	F-FOS-00085
ICC-6145#A	F-FOS-00085
ICC-6020#A	F-FOS-00175
EOSD2550#A	F-FOS-00430
EOSD2650#A	F-FOS-00435
EOSD2650#A	F-FOS-00445
EOSD2400#A	F-FOS-00465
EOSD2400#A	F-FOS-00470
EOSD2400#A	F-FOS-00475
EOSD2400#A	F-FOS-00480

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FOS-0040#A	F-FUI-01125
FOS-0040#A	F-FUI-01150
FOS-0040#A	F-FUI-01180
FOS-0040#A	F-FUI-01185
FOS-0040#A	F-FUI-01310
FOS-0040#A	F-FUI-01315
EOC-9040#A	F-FUI-01565
ICC-6540#A	F-FUI-01565
EOC-9040#A	F-FUI-01580
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ICC-6520#A	F-FUI-01605
FOS-0040#A	F-FUI-01615
ICC-6590#A	F-FUI-02600
ICC-6590#A	F-FUI-02605
EOC-9090#A	F-FUI-02635
ICC-6590#A	F-FUI-02635
EOC-7140#B	F-FUI-02725
EOC-7150#B	F-FUI-02725
EOC-7160#B	F-FUI-02725
EOC-3080#A	F-FUI-02830
EOC-3210#A	F-FUI-02830
EOC-4015#A	F-FUI-02830
EOC-9080#A	F-FUI-02830
ICC-3090#A	F-FUI-02830
ICC-3100#A	F-FUI-02830
ICC-3110#A	F-FUI-02830
ICC-3270#A	F-FUI-02830
ICC-6580#A	F-FUI-02830
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ICC-4470#A	F-FUI-02835
ICC-6580#A	F-FUI-02835
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EOC-3210#A	F-FUI-02860
EOC-4015#A	F-FUI-02860
EOC-6080#A	F-FUI-02860

RBR paragraph_id	L4 paragraph_id
EOC-9080#A	F-FUI-02860
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ICC-3100#A	F-FUI-02860
ICC-3110#A	F-FUI-02860
ICC-3270#A	F-FUI-02860
ICC-4470#A	F-FUI-02860
ICC-6580#A	F-FUI-02860
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FOS-0040#A	F-FUI-02970
FOS-0040#A	F-FUI-02975
FOS-0040#A	F-FUI-02980
FOS-0040#A	F-FUI-02985
FOS-0040#A	F-FUI-02990
FOS-0040#A	F-FUI-02991
FOS-0040#A	F-FUI-05200
FOS-0040#B	F-FUI-05305
FOS-0040#B	F-FUI-05310
FOS-0040#B	F-FUI-05320
FOS-0040#B	F-FUI-05325
FOS-0040#B	F-FUI-05330
EOC-4020#B	F-FUI-06337
EOC-4100#B	F-FUI-06395
EOC-4100#B	F-FUI-06400
EOC-4100#B	F-FUI-06405
EOC-3238#B	F-FUI-06430
EOC-4020#B	F-FUI-06430
EOC-3238#B	F-FUI-06435
EOC-4020#B	F-FUI-06435
FOS-0040#A	F-FUI-06470
EOC-9130#A	F-FUI-07100
ICC-6620#A	F-FUI-07100
FOS-0040#A	F-FUI-07120
EOC-7010#A	F-FUI-07200
EOC-9020#A	F-FUI-07200
EOC-9090#A	F-FUI-07200
ICC-6525#A	F-FUI-07200
EOC-6060#A	F-FUI-07300
EOC-7010#A	F-FUI-07300
ICC-4450#A	F-FUI-07300
ICC-4460#A	F-FUI-07300
EOC-6060#A	F-FUI-07310
EOC-7010#A	F-FUI-07310
ICC-4450#A	F-FUI-07310
ICC-6590#A	F-FUI-07310
EOC-7010#A	F-FUI-07600

RBR paragraph_id	L4 paragraph_id
EOC-9020#A	F-FUI-07600
FOS-0040#A	F-FUI-07710
FOS-0040#A	F-FUI-07720
EOC-6050#A	F-FUI-09112
ICC-4440#A	F-FUI-09112
FOS-0040#A	F-FUI-09115
FOS-0040#A	F-FUI-09140
FOS-0040#A	F-FUI-09145
FOS-0040#A	F-FUI-09170
FOS-0040#A	F-FUI-09180
AM1-0240#A	F-FUI-09205
EOC-9020#A	F-FUI-09205
ICC-6520#A	F-FUI-09205
EOC-9020#A	F-FUI-09210
ICC-6520#A	F-FUI-09210
EOC-6195#A	F-FUI-09645
EOC-7130#A	F-FUI-09645
EOC-9025#A	F-FUI-09645
ICC-6525#A	F-FUI-09645
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ICC-2290#B	F-PAS-00610
ICC-2290#B	F-PAS-00615
ICC-2300#B	F-PAS-00365
ICC-2350#B	F-PAS-01035
ICC-2390#A	F-PAS-00300
ICC-2390#B	F-PAS-00300
ICC-2400#A	F-PAS-00300
ICC-2400#B	F-PAS-00300
ICC-2420#A	F-PAS-00100
ICC-2420#B	F-PAS-00100
ICC-2430#A	F-PAS-00100
ICC-2430#B	F-PAS-00100
ICC-2450#A	F-PAS-00100
ICC-2450#B	F-PAS-00100
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ICC-3020#B	F-PAS-00800
ICC-3070#B	F-PAS-01000
ICC-3071#B	F-PAS-01000
ICC-3071#B	F-PAS-01035
ICC-3085#B	F-PAS-01000
ICC-3085#B	F-PAS-01035
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ICC-6520#B	F-FUI-04000
ICC-6620#A	F-FUI-07400
ICC-6620#A	F-FUI-07410
ICC-6620#A	F-FUI-07415
ICC-6620#A	F-FUI-07425
ICC-6620#B	F-FUI-07400
ICC-6620#B	F-FUI-07410
ICC-6620#B	F-FUI-07415
ICC-6620#B	F-FUI-07425
ICC-7210#A	F-PAS-10300
ICC-7210#A	F-PAS-10315
ICC-7210#A	F-FUI-04000
ICC-7210#A	F-FUI-04030
ICC-7210#A	F-FUI-04040
ICC-7210#A	F-FUI-04070
ICC-7210#A	F-FUI-04080
ICC-7210#A	F-FUI-04120
ICC-7210#A	F-PAS-00315
ICC-7210#A	F-PAS-00330
ICC-7210#A	F-PAS-00335
ICC-7210#A	F-PAS-00400
ICC-7210#A	F-PAS-00405

RBR paragraph_id	L4 paragraph_id
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ICC-7210#A	F-PAS-00415
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ICC-7210#A	F-PAS-00610
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ICC-7210#B	F-PAS-10300
ICC-7210#B	F-PAS-10315
ICC-7210#B	F-FUI-04000
ICC-7210#B	F-FUI-04030
ICC-7210#B	F-FUI-04040
ICC-7210#B	F-FUI-04070
ICC-7210#B	F-FUI-04080
ICC-7210#B	F-FUI-04120
ICC-7210#B	F-FUI-04140
ICC-7210#B	F-PAS-00330
ICC-7210#B	F-PAS-00335
ICC-7210#B	F-PAS-00340
ICC-7210#B	F-PAS-00400
ICC-7210#B	F-PAS-00405
ICC-7210#B	F-PAS-00410
ICC-7210#B	F-PAS-00415
ICC-7210#B	F-PAS-00420
ICC-7210#B	F-PAS-00500
ICC-7210#B	F-PAS-00505
ICC-7210#B	F-PAS-00510
ICC-7210#B	F-PAS-00610
ICC-7210#B	F-PAS-00615
ICC-7214#A	F-PAS-10300
ICC-7214#A	F-PAS-10315
ICC-7214#A	F-FUI-04030
ICC-7214#A	F-FUI-04040
ICC-7214#A	F-FUI-04070
ICC-7214#A	F-FUI-04080
ICC-7214#A	F-FUI-04120
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ICC-7214#A	F-PAS-00335
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ICC-7214#A	F-PAS-00420
ICC-7214#A	F-PAS-00610
ICC-7214#A	F-PAS-00615

RBR paragraph_id	L4 paragraph_id
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ICC-7214#B	F-PAS-10315
ICC-7214#B	F-FUI-04030
ICC-7214#B	F-FUI-04040
ICC-7214#B	F-FUI-04070
ICC-7214#B	F-FUI-04080
ICC-7214#B	F-PAS-00310
ICC-7214#B	F-PAS-00315
ICC-7214#B	F-PAS-00330
ICC-7214#B	F-PAS-00335
ICC-7214#B	F-PAS-00340
ICC-7214#B	F-PAS-00350
ICC-7214#B	F-PAS-00400
ICC-7214#B	F-PAS-00405
ICC-7214#B	F-PAS-00410
ICC-7214#B	F-PAS-00415
ICC-7214#B	F-PAS-00420
ICC-7214#B	F-PAS-00500
ICC-7214#B	F-PAS-00505
ICC-7214#B	F-PAS-00510
ICC-7214#B	F-PAS-00610
ICC-7214#B	F-PAS-00615
ICC-7220#A	F-PAS-00100
ICC-7220#A	F-PAS-00105
ICC-7220#A	F-PAS-00115
ICC-7220#A	F-PAS-00120
ICC-7220#A	F-PAS-00135
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ICC-7220#B	F-PAS-00115
ICC-7220#B	F-PAS-00120
ICC-7220#B	F-PAS-00135
ICC-7230#A	F-PAS-00100
ICC-7230#A	F-PAS-00105
ICC-7230#A	F-PAS-00115
ICC-7230#A	F-PAS-00120
ICC-7230#A	F-PAS-00135
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ICC-7230#B	F-PAS-00115
ICC-7230#B	F-PAS-00120
ICC-7230#B	F-PAS-00135

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ICC-7250#B	F-PAS-00100
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NI-0110#A	F-PAS-10405
NI-0110#A	F-PAS-10410
NI-0110#A	F-PAS-10415
NI-0110#A	F-PAS-10420
NI-0110#A	F-PAS-10425
NI-0110#A	F-PAS-10430
NI-0110#A	F-PAS-10435
NI-0110#B	F-PAS-10410
NI-0110#B	F-PAS-10415
NI-0110#B	F-PAS-10420
NI-0110#B	F-PAS-10425
NI-0110#B	F-PAS-10430
NI-0110#B	F-PAS-10435
NI-0120#A	F-PAS-10400
NI-0130#A	F-PAS-10405
NI-0140#A	F-PAS-10405
NI-0170#A	F-PAS-10410
NI-0170#A	F-PAS-10415
NI-0170#A	F-PAS-10420
NI-0170#A	F-PAS-10425
NI-0170#A	F-PAS-10430
NI-0170#A	F-PAS-10435
NI-0210#A	F-TLM-00110
NI-0210#A	F-TLM-00120
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ICC-6070#B	F-RMS-00020
EOC-8090#A	F-RMS-00030
ICC-6020#A	F-RMS-00030
EOC-8380#A	F-RMS-00070
EOC-5010#A	F-RMS-00080
EOC-6010#A	F-RMS-00080
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ICC-6510#A	F-RMS-00100
EOC-5015#A	F-RMS-00110
ICC-4040#A	F-RMS-00110
EOC-9010#A	F-RMS-00160
ICC-6510#A	F-RMS-00160

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ICC-4040#A	F-RMS-00170
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EOC-9010#A	F-RMS-01060
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ICC-6510#A	F-RMS-01070
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NI-0210#A	F-TLM-00120
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ICC-4070#A	F-TLM-00310
EOC-5050#A	F-TLM-00315
ICC-4070#A	F-TLM-00315
EOC-5080#A	F-TLM-00520
EOC-5080#B	F-TLM-00520
ICC-4010#A	F-TLM-00520
ICC-4060#A	F-TLM-00520
ICC-4060#B	F-TLM-00520
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ICC-4100#A	F-TLM-00915
EOC-5090#A	F-TLM-00920
ICC-4100#A	F-TLM-00920
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ICC-4100#A	F-TLM-00925
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ICC-4120#A	F-TLM-01025

RBR paragraph_id	L4 paragraph_id
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ICC-4120#A	F-TLM-01030
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ICC-4150#A	F-TLM-01120
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ICC-4150#A	F-TLM-01145
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ICC-4150#A	F-TLM-01150
EOC-5110#A	F-TLM-01155
ICC-4150#A	F-TLM-01155
EOC-5110#A	F-TLM-01160
ICC-4150#A	F-TLM-01160
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ICC-4120#A	F-TLM-01215
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ICC-4100#A	F-TLM-01415
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ICC-4100#A	F-TLM-01425
AM1-0070#A	F-TLM-01510
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EOC-5220#B	F-TLM-01525
ICC-4220#B	F-TLM-01525
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ICC-4230#B	F-TLM-01530
EOC-5230#B	F-TLM-01535
ICC-4230#B	F-TLM-01535

RBR paragraph_id	L4 paragraph_id
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EOC-5185#B	F-TLM-01835
NI-0330#B	F-TLM-01835
AM1-1070#A	F-TLM-10125
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EOC-5020#A	F-TLM-10125
ICC-4040#A	F-TLM-10125
EOC-5010#A	F-TLM-10420
ICC-4020#A	F-TLM-10420
EOC-5010#A	F-TLM-10430
ICC-4020#A	F-TLM-10430
EOC-5010#A	F-TLM-10436
ICC-4020#A	F-TLM-10436
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ICC-4210#B	F-TLM-10436
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EOC-5045#A	F-TLM-10540
EOC-5080#A	F-TLM-10540
EOC-5220#A	F-TLM-10540
AM1-0050#A	F-TLM-10550
AM1-0090#A	F-TLM-10550
AM1-0125#A	F-TLM-10550
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EOC-5220#A	F-TLM-10550

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EOC-5220#A	F-TLM-10555
AM1-0050#A	F-TLM-10560
AM1-0125#A	F-TLM-10560
EOC-5045#A	F-TLM-10560
EOC-5080#A	F-TLM-10560
EOC-5220#A	F-TLM-10560
AM1-0050#A	F-TLM-10565
AM1-0050#B	F-TLM-10565
AM1-0125#A	F-TLM-10565
EOC-5045#A	F-TLM-10565
EOC-5045#B	F-TLM-10565
EOC-5080#A	F-TLM-10565
EOC-5080#B	F-TLM-10565
EOC-5220#A	F-TLM-10565
AM1-0050#A	F-TLM-10570
AM1-0090#A	F-TLM-10570
AM1-0125#A	F-TLM-10570
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EOC-5220#A	F-TLM-10570
AM1-0050#A	F-TLM-10575
AM1-0125#A	F-TLM-10575
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EOC-5220#A	F-TLM-10575
AM1-0050#A	F-TLM-10580
AM1-0125#A	F-TLM-10580
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EOC-5080#A	F-TLM-10580
EOC-5220#A	F-TLM-10580
EOC-5200#A	F-TLM-10585
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EOC-5230#B	F-TLM-11525
ICC-4230#B	F-TLM-11525
EOC-2030#B	F-PAS-00110
EOC-2300#B	F-PAS-00110
ICC-7230#B	F-PAS-00110
AM1-1070#A	F-TLM-10125
EOC-5220#A	F-TLM-00535

RBR paragraph_id	L4 paragraph_id
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EOC-5220#A	F-TLM-10535
EOC-5220#A	F-TLM-10540
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EOC-5220#A	F-TLM-10560
EOC-5220#A	F-TLM-10565
EOC-5220#A	F-TLM-10570
EOC-5220#A	F-TLM-10575
EOC-5220#A	F-TLM-10580
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EOSD2650#A	F-FOS-00445
ICC-4210#A	F-TLM-10436
ICC-4220#A	F-TLM-00540
ICC-4220#A	F-TLM-00545
AM1-1150#A	C-HRD-36000
EOSD1000#A	C-HRD-36000
AM1-1070#A	C-HRD-36010
EDOS-A.2.1#A	C-HRD-36010
NI-0210#A	C-ISS-01170
EOSD0015#A	C-ISS-01195
NI-0220#A	C-ISS-01195
EOSD3800#A	C-ISS-04050
EOSD3810#A	C-ISS-04170
EOC-0030#A	C-MSS-10300
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ICC-0040#A	C-MSS-10300
ICC-6210#A	C-MSS-10300
EOSD2650#A	C-MSS-70400
EOSD2650#A	C-MSS-70430
EDOS-A.2.3#A	F-CMD-02125
ASTER-0230#A	F-DMS-00110
EOC-8372#C	F-FUI-03050
NI-0340-a#A	F-PAS-00137
ICC-2115#A	F-PAS-00315
ASTER-0230#A	F-PAS-10010
EOC-2400#A	F-PAS-10400
EOC-2535#A	F-PAS-10445
ICC-3220#B	F-RMS-01040
ICC-3220#B	F-RMS-01050
ICC-4010#B	F-TLM-05020
ICC-4100#B	F-TLM-05020
EOC-5010#B	F-TLM-10436

RBR paragraph_id	L4 paragraph_id
ICC-4020#B	F-TLM-10436
EOC-5010#B	F-TLM-10480
EOC-5010#B	F-TLM-10485
AM1-0125#B	F-TLM-10565
EOC-5220#B	F-TLM-10565
NI-0340-a#A	F-PAS-00137
EOC-2370#A	F-PAS-00700
EOC-2480#A	F-PAS-01120
EOC-2350#A	F-PAS-00105
EOC-7040#A	F-DMS-00270
EOC-7045#A	F-DMS-00270
ICC-4765#A	F-DMS-00410
ICC-4765#A	F-DMS-00420
EOC-7020#A	F-DMS-00510
ICC-4720#A	F-DMS-00510
EOC-7020#A	F-DMS-00520
EOC-7020#A	F-DMS-00530
EOC-7020#A	F-DMS-00540
NI-0110#A	F-FOS-00335
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EOC-8090#A	F-FUI-02605
ICC-6590#A	F-FUI-07300
ICC-4460#A	F-FUI-07310
ICC-4100#A	F-TLM-01045
ICC-4100#A	F-TLM-01050
EOSD1690#A	F-CMD-01165
EOC-4005#A	F-CMD-01165
EOC-4010#A	F-CMD-02125
EDOS-A.1.3#A	F-CMD-02125
EOC-4015#A	F-CMD-03110
EOC-4015#A	F-CMD-12240
EOC-6010#A	F-FUI-09410
ICC-4410#A	F-FUI-09410
ICC-4450#A	F-FUI-09410
ICC-4460#A	F-FUI-09410
ICC-4410#A	F-FUI-09415
EOC-6010#A	F-FUI-09415
EOC-6100#A	F-FUI-09415
EOC-3080#A	F-FUI-02840
EOC-3210#A	F-FUI-02840
EOC-4015#A	F-FUI-02840
EOC-6060#A	F-FUI-07315
EOC-6060#A	F-FUI-07320

RBR paragraph_id	L4 paragraph_id
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EOC-6060#A	F-FUI-07330
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EOC-6060#A	F-FUI-07396
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EOC-6070#A	F-FUI-07425
EOC-7010#A	F-FUI-07315
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EOC-9090#A	F-FUI-07415
EOC-9090#A	F-FUI-07425
EOC-9130#A	F-FUI-07400
EOC-9130#A	F-FUI-07415
EOC-9130#A	F-FUI-07425
FOS-0040#A	F-FUI-05105
FOS-0040#A	F-FUI-05200
ICC-3090#A	F-FUI-02840
ICC-3100#A	F-FUI-02840
ICC-3110#A	F-FUI-02840
ICC-3270#A	F-FUI-02840
ICC-4450#A	F-FUI-07315
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ICC-4450#A	F-FUI-07396
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ICC-4460#A	F-FUI-07320
ICC-4460#A	F-FUI-07325
ICC-4460#A	F-FUI-07330
ICC-4460#A	F-FUI-07400
ICC-4460#A	F-FUI-07415

RBR paragraph_id	L4 paragraph_id
ICC-4460#A	F-FUI-07425
ICC-6580#A	F-FUI-02840
ICC-6590#A	F-FUI-07315
ICC-6590#A	F-FUI-07320
ICC-6590#A	F-FUI-07325
ICC-6590#A	F-FUI-07330
ICC-6590#A	F-FUI-07345
ICC-6590#A	F-FUI-07360
ICC-6590#A	F-FUI-07365
ICC-6590#A	F-FUI-07370
ICC-6590#A	F-FUI-07375
ICC-6590#A	F-FUI-07388
ICC-6590#A	F-FUI-07394
ICC-6590#A	F-FUI-07396
ICC-6590#A	F-FUI-07400
ICC-6590#A	F-FUI-07415
ICC-6590#A	F-FUI-07425
ICC-6620#A	F-FUI-07400
ICC-6620#A	F-FUI-07415
ICC-6620#A	F-FUI-07425
ICC-7460#A	F-FUI-07400
ICC-7460#A	F-FUI-07415
ICC-7460#A	F-FUI-07425
EOC-7020#A	F-DMS-00550
EOC-5190#A	F-TLM-01510

**Attachment 8****Add New Links Between RBR and L4****CCR #96-0515B****RTM Baseline Version 5/03/96****Query Date 5/6/96**

RBR paragraph_id	L4 paragraph_id
ICC-7070#B	F-ANA-01025
ICC-7070#B	F-ANA-01030
ICC-4490#B	F-ANA-04310
EOC-6070#A	F-ANA-03135
AM1-0020#B	F-CMD-01125
AM1-0130-#B	F-CMD-01125
AM1-0135-#A	F-CMD-01125
AM1-0020#B	F-CMD-01130
AM1-0130-#B	F-CMD-01130
AM1-0135-#B	F-CMD-01130
AM1-0020#B	F-CMD-01135
AM1-0130-#B	F-CMD-01135
AM1-0135-#B	F-CMD-01135
AM1-0020#B	F-CMD-01165
AM1-0130-#B	F-CMD-01165
AM1-0135-#B	F-CMD-01165
EOC-4200#B	F-CMD-01250
EDOS-A.1.2#B	F-CMD-02120
EOC-4015#A	F-CMD-03115
EOC-8130#A	F-CMD-03115
EOC-4015#A	F-CMD-03126
EOC-4015#A	F-CMD-03130
EOC-4018#A	F-CMD-03130
EOC-4018#A	F-CMD-03133
EOC-4015#A	F-CMD-03134
EOC-4015#A	F-CMD-03135
EOC-4018#A	F-CMD-03135
EOC-4100#A	F-CMD-03210
EOC-4100#A	F-CMD-03215
EOC-4100#A	F-CMD-03225
AM1-0280#B	F-CMS-01730
EOC-3017#B	F-CMS-01140
EOC-3050#A	F-CMS-01010
EOC-3050#A	F-CMS-01020

RBR paragraph_id	L4_paragraph_id
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EOC-3050#B	F-CMS-00660
EOC-3090#A	F-CMS-00425
EOC-3090#A	F-CMS-01120
EOC-3090#B	F-CMS-00305
EOC-3090#B	F-CMS-00660
EOC-3160#A	F-CMS-01330
EOC-3160#A	F-CMS-01340
EOC-3160#B	F-CMS-00910
EOC-3160#B	F-CMS-01210
EOC-6110#A	F-CMS-00640
EOC-6110#B	F-CMS-00640
EOC-6110#B	F-CMS-00675
EOC-6150#B	F-CMS-01775
EOC-9040#A	F-CMS-00610
EOC-9040#A	F-CMS-00615
EOC-9040#B	F-CMS-00610
EOC-9040#B	F-CMS-00615
EOC-9040#B	F-CMS-00670
EOC-9040#B	F-CMS-00675
ICC-3010#A	F-CMS-01030
ICC-3040#A	F-CMS-01010
ICC-3040#A	F-CMS-01020
ICC-3050#B	F-CMS-00950
ICC-3160#B	F-CMS-10510
ICC-3160#B	F-CMS-10750
ICC-3160#B	F-CMS-11510
ICC-7290#B	F-CMS-00250
ICC-7290#B	F-CMS-01340
AM1-0230#B	F-DMS-00180
EOC-7010#B	F-DMS-00180
EOC-7010#B	F-DMS-00640
EOC-7010#B	F-DMS-00650
EOC-7010#B	F-DMS-10110
EOC-7015#B	F-DMS-00180
EOC-7025#B	F-DMS-00205
EOC-7025#B	F-DMS-00210
EOC-7025#B	F-DMS-00215
EOC-7025#B	F-DMS-00220
EOC-7025#B	F-DMS-00225
EOC-7025#B	F-DMS-00230
EOC-7025#B	F-DMS-00250
EOC-7025#B	F-DMS-00255
EOC-7025#B	F-DMS-00260

RBR paragraph_id	L4_paragraph_id
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EOC-7045#B	F-DMS-00420
EOC-7060#B	F-DMS-00720
EOC-7060#B	F-DMS-00730
EOC-7060#B	F-DMS-00740
EOC-7060#B	F-DMS-00760
EOC-7060#B	F-DMS-00810
EOC-7060#B	F-DMS-00820
EOC-7060#B	F-DMS-00830
EOC-7060#B	F-DMS-00920
EOC-7060#A	F-DMS-01250
EOC-7060#A	F-DMS-01260
EOC-7120#B	F-DMS-00760
EOC-7120#B	F-DMS-00840
ICC-4710#B	F-DMS-00180
ICC-4730#B	F-DMS-00205
ICC-4730#B	F-DMS-00210
ICC-4730#B	F-DMS-00215
ICC-4730#B	F-DMS-00220
ICC-4730#B	F-DMS-00225
ICC-4730#B	F-DMS-00230
ICC-4730#B	F-DMS-00250
ICC-4730#B	F-DMS-00255
ICC-4730#B	F-DMS-00260
ICC-4730#B	F-DMS-00265
ICC-4775#B	F-DMS-00180
ICC-4780#B	F-DMS-00720
ICC-4780#B	F-DMS-00730
ICC-4780#B	F-DMS-00740
ICC-4780#B	F-DMS-00760
ICC-4780#B	F-DMS-00810
ICC-4780#B	F-DMS-00820
ICC-4780#B	F-DMS-00830
ICC-4780#B	F-DMS-00920
ICC-4790#B	F-DMS-00840
ICC-7050#B	F-DMS-00180
ICC-7510#B	F-DMS-00840
EOC-3238#A	F-FUI-06430
EOC-7150#A	F-FUI-02725
EOC-7160#A	F-FUI-02725
EOC-3238#A	F-FUI-06435
EOC-4020#A	F-FUI-06338
EOC-4020#A	F-FUI-06430

RBR paragraph_id	L4_paragraph_id
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EOC-4100#A	F-FUI-06400
EOC-4100#A	F-FUI-06405
EOC-7140#A	F-FUI-02725
EOC-8372#C	F-FUI-03050
FOS-0040#B	F-FUI-01615
ICC-6540#B	F-FUI-01580
ICC-6590#B	F-FUI-02600
ICC-6590#B	F-FUI-07300
ICC-6590#B	F-FUI-07310
FOS-0040#B	F-FUI-17820
ASTER-0200#B	F-PAS-10008
ASTER-0200#B	F-PAS-10615
ASTER-0210#A	F-PAS-10100
ASTER-0210#B	F-PAS-10100
ASTER-0220#B	F-PAS-10010
ASTER-0220#B	F-PAS-10560
ASTER-0220#B	F-PAS-10565
ASTER-0220#B	F-PAS-10575
ASTER-0230#B	F-PAS-10305
ASTER-0230#B	F-PAS-10009
ASTER-0230#B	F-PAS-10010
ASTER-0240#A	F-PAS-10100
ASTER-0240#B	F-PAS-10100
ASTER-0240#B	F-PAS-10455
ASTER-0250#B	F-PAS-10560
ASTER-0250#B	F-PAS-10565
ASTER-0250#B	F-PAS-10575
ASTER-0260#B	F-PAS-10312
ASTER-0260#B	F-PAS-10010
ASTER-0260#B	F-PAS-10455
ASTER-0350#B	F-PAS-10560
ASTER-0350#B	F-PAS-10565
EOC-2020#A	F-PAS-00350
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EOC-2020#B	F-PAS-00120
EOC-2020#B	F-PAS-00135
EOC-2020#B	F-PAS-00350
EOC-2020#B	F-PAS-00010
EOC-2020#B	F-PAS-00015
EOC-2030#A	F-PAS-00200
EOC-2030#A	F-PAS-00205

RBR paragraph_id	L4_paragraph_id
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EOC-2030#A	F-PAS-00300
EOC-2030#A	F-PAS-00310
EOC-2030#A	F-PAS-00315
EOC-2030#A	F-PAS-00350
EOC-2030#A	F-PAS-00500
EOC-2030#A	F-PAS-00503
EOC-2030#A	F-PAS-00505
EOC-2030#A	F-PAS-00510
EOC-2030#A	F-PAS-00605
EOC-2030#A	F-PAS-00610
EOC-2030#B	F-PAS-00010
EOC-2030#B	F-PAS-00015
EOC-2030#B	F-PAS-00020
EOC-2030#B	F-PAS-00025
EOC-2030#B	F-PAS-00030
EOC-2030#B	F-PAS-00150
EOC-2030#B	F-PAS-00200
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EOC-2030#B	F-PAS-00500
EOC-2030#B	F-PAS-00503
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EOC-2030#B	F-PAS-00605
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EOC-2030#B	F-PAS-01120
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EOC-2040#A	F-FUI-04010
EOC-2040#A	F-FUI-04020
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EOC-2040#A	F-FUI-04080
EOC-2040#A	F-FUI-04090
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EOC-2040#A	F-FUI-04300
EOC-2040#A	F-PAS-00420
EOC-2040#A	F-PAS-10105

RBR paragraph_id	L4_paragraph_id
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EOC-2040#B	F-FUI-04010
EOC-2040#B	F-FUI-04020
EOC-2040#B	F-FUI-04030
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EOC-2040#B	F-FUI-04060
EOC-2040#B	F-FUI-04080
EOC-2040#B	F-FUI-04090
EOC-2040#B	F-FUI-04100
EOC-2040#B	F-FUI-04110
EOC-2040#B	F-FUI-04120
EOC-2040#B	F-FUI-04130
EOC-2040#B	F-FUI-04140
EOC-2040#B	F-FUI-04280
EOC-2040#B	F-FUI-04290
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EOC-2040#B	F-PAS-00103
EOC-2040#B	F-PAS-00138
EOC-2040#B	F-PAS-00145
EOC-2040#B	F-PAS-00355
EOC-2040#B	F-PAS-00815
EOC-2040#B	F-PAS-00900
EOC-2040#B	F-PAS-00015
EOC-2040#B	F-PAS-10105
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EOC-2040#B	F-PAS-10455
EOC-2040#B	F-PAS-10455
EOC-2040#B	F-PAS-00010
EOC-2045#A	F-FUI-04000
EOC-2045#A	F-FUI-04010
EOC-2045#A	F-FUI-04020
EOC-2045#A	F-FUI-04030
EOC-2045#A	F-FUI-04040
EOC-2045#A	F-FUI-04080
EOC-2045#A	F-FUI-04090
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EOC-2045#B	F-FUI-04010
EOC-2045#B	F-FUI-04020
EOC-2045#B	F-FUI-04030

RBR paragraph_id	L4_paragraph_id
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EOC-2045#B	F-FUI-04080
EOC-2045#B	F-FUI-04090
EOC-2045#B	F-FUI-04100
EOC-2045#B	F-FUI-04110
EOC-2045#B	F-FUI-04120
EOC-2045#B	F-FUI-04130
EOC-2045#B	F-FUI-04140
EOC-2045#B	F-FUI-04280
EOC-2045#B	F-FUI-04290
EOC-2045#B	F-FUI-04300
EOC-2045#B	F-PAS-00035
EOC-2045#B	F-PAS-00100
EOC-2045#B	F-PAS-00138
EOC-2045#B	F-PAS-00145
EOC-2045#B	F-PAS-00160
EOC-2045#B	F-PAS-00165
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EOC-2045#B	F-PAS-00900
EOC-2045#B	F-PAS-01120
EOC-2045#B	F-PAS-01125
EOC-2045#B	F-PAS-10110
EOC-2045#B	F-PAS-10623
EOC-2070#A	F-PAS-00310
EOC-2070#A	F-PAS-00315
EOC-2070#A	F-PAS-00400
EOC-2070#A	F-PAS-00405
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EOC-2070#B	F-PAS-00025
EOC-2070#B	F-PAS-00030
EOC-2070#B	F-PAS-00115
EOC-2070#B	F-PAS-00150
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EOC-2070#B	F-PAS-00315
EOC-2070#B	F-PAS-00400
EOC-2070#B	F-PAS-00405

RBR paragraph_id	L4_paragraph_id
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EOC-2070#B	F-PAS-00700
EOC-2070#B	F-PAS-01200
EOC-2070#B	F-PAS-01215
EOC-2170#A	F-PAS-00400
EOC-2170#A	F-PAS-00405
EOC-2170#A	F-PAS-00600
EOC-2170#B	F-PAS-00105
EOC-2170#B	F-PAS-00115
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EOC-2170#B	F-PAS-00805
EOC-2170#B	F-PAS-01125
EOC-2170#B	F-PAS-10623
EOC-2180#A	F-PAS-00400
EOC-2180#A	F-PAS-00405
EOC-2180#B	F-PAS-00105
EOC-2180#B	F-PAS-00115
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EOC-2180#B	F-PAS-00510
EOC-2180#B	F-PAS-01125
EOC-2180#B	F-PAS-10623
EOC-2190#B	F-PAS-00105
EOC-2190#B	F-PAS-00115
EOC-2190#B	F-PAS-00120
EOC-2190#B	F-PAS-00135
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EOC-2200#A	F-PAS-00315
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EOC-2200#B	F-PAS-00020
EOC-2200#B	F-PAS-00025
EOC-2200#B	F-PAS-00030

RBR paragraph_id	L4_paragraph_id
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EOC-2200#B	F-PAS-00120
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EOC-2200#B	F-PAS-00350
EOC-2200#B	F-PAS-00705
EOC-2200#B	F-PAS-10505
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EOC-2210#A	F-FUI-04090
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EOC-2220#A	F-FUI-04020
EOC-2220#A	F-FUI-04290
EOC-2220#A	F-FUI-04300
EOC-2220#A	F-PAS-00415
EOC-2220#A	F-PAS-00600
EOC-2220#B	F-FUI-04000
EOC-2220#B	F-FUI-04020
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EOC-2220#B	F-FUI-04130
EOC-2220#B	F-FUI-04290
EOC-2220#B	F-FUI-04300
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EOC-2220#B	F-PAS-00355
EOC-2220#B	F-PAS-00360

RBR paragraph_id	L4_paragraph_id
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EOC-2220#B	F-PAS-00835
EOC-2220#B	F-PAS-00840
EOC-2220#B	F-PAS-00905
EOC-2220#B	F-PAS-00910
EOC-2220#B	F-PAS-00940
EOC-2220#B	F-PAS-00015
EOC-2220#B	F-PAS-00010
EOC-2230#A	F-PAS-00600
EOC-2230#B	F-PAS-00600
EOC-2230#B	F-PAS-00810
EOC-2230#B	F-PAS-00835
EOC-2230#B	F-PAS-00840
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EOC-2250#A	F-PAS-00315
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EOC-2250#B	F-PAS-00315
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EOC-2272#B	F-PAS-00425
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EOC-2280#A	F-PAS-00300
EOC-2280#A	F-PAS-00310
EOC-2280#A	F-PAS-00315

RBR paragraph_id	L4_paragraph_id
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EOC-2280#B	F-PAS-00300
EOC-2280#B	F-PAS-00310
EOC-2280#B	F-PAS-00315
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EOC-2290#B	F-FUI-04100
EOC-2290#B	F-PAS-00140
EOC-2290#B	F-PAS-00153
EOC-2290#B	F-PAS-00355
EOC-2290#B	F-PAS-00415
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ICC-2010#A	F-FUI-04080
ICC-2010#A	F-FUI-04090
ICC-2010#A	F-FUI-04120
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ICC-2015#B	F-PAS-00160
ICC-2015#B	F-PAS-00355
ICC-2015#B	F-PAS-00900
ICC-2020#A	F-FUI-04000
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ICC-2020#A	F-FUI-04080
ICC-2020#A	F-FUI-04090
ICC-2020#A	F-FUI-04090
ICC-2020#A	F-FUI-04120
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ICC-2020#B	F-FUI-04100
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ICC-2050#B	F-PAS-00153
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ICC-2050#B	F-PAS-00360

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ICC-2050#B	F-PAS-00015
ICC-2050#B	F-PAS-00010
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ICC-2052#B	F-PAS-00315
ICC-2052#B	F-PAS-00350
ICC-2052#B	F-PAS-00400
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ICC-2150#B	F-PAS-00940
ICC-2150#B	F-PAS-00945
ICC-2150#B	F-PAS-00950
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ICC-2190#B	F-PAS-00410
ICC-2190#B	F-PAS-00510
ICC-2190#B	F-PAS-00600
ICC-2190#B	F-PAS-00015
ICC-2190#B	F-PAS-00010
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ICC-2210#A	F-FUI-04290
ICC-2210#A	F-FUI-04300
ICC-2210#A	F-PAS-00600
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ICC-2210#B	F-FUI-04100
ICC-2210#B	F-FUI-04290
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ICC-2230#A	F-PAS-00405
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ICC-2230#B	F-PAS-00315

RBR paragraph_id	L4_paragraph_id
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ICC-2350#B	F-PAS-00840

RBR paragraph_id	L4_paragraph_id
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ICC-4770#B	F-PAS-00205
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ICC-4770#B	F-PAS-00503
ICC-4770#B	F-PAS-00505
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ICC-6520#A	F-FUI-04010
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RBR paragraph_id	L4_paragraph_id
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ICC-6520#A	F-FUI-04300
ICC-6520#B	F-FUI-04000
ICC-6520#B	F-FUI-04010
ICC-6520#B	F-FUI-04020
ICC-6520#B	F-FUI-04050
ICC-6520#B	F-FUI-04060
ICC-6520#B	F-FUI-04070
ICC-6520#B	F-FUI-04080
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ICC-6520#B	F-FUI-04290
ICC-6520#B	F-FUI-04300
ICC-6520#B	F-PAS-00035
ICC-6520#B	F-PAS-00100
ICC-6520#B	F-PAS-01310
ICC-6525#B	F-PAS-01305
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ICC-6590#A	F-FUI-04030
ICC-6590#A	F-FUI-04040
ICC-6590#A	F-FUI-04080
ICC-6590#A	F-FUI-04090
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ICC-6590#A	F-FUI-04300
ICC-6590#B	F-FUI-04000
ICC-6590#B	F-FUI-04010
ICC-6590#B	F-FUI-04020
ICC-6590#B	F-FUI-04030
ICC-6590#B	F-FUI-04040
ICC-6590#B	F-FUI-04060
ICC-6590#B	F-FUI-04080
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ICC-6590#B	F-FUI-04300
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ICC-6590#B	F-PAS-00100
ICC-6590#B	F-PAS-01300
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ICC-7010#B	F-PAS-00900
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ICC-7010#B	F-PAS-00910
ICC-7010#B	F-PAS-00940
ICC-7010#B	F-PAS-00945
ICC-7010#B	F-PAS-00950
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ICC-7220#A	F-FUI-04300
ICC-7220#B	F-FUI-04000
ICC-7220#B	F-FUI-04010
ICC-7220#B	F-FUI-04020
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ICC-7220#B	F-PAS-00138
ICC-7220#B	F-PAS-00145
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ICC-7220#B	F-PAS-00010
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ICC-7230#B	F-PAS-00165
ICC-7230#B	F-PAS-00170
ICC-7230#B	F-PAS-00175
ICC-7230#B	F-PAS-00180
ICC-7230#B	F-PAS-00185
ICC-7230#B	F-PAS-00195
ICC-7230#B	F-PAS-00310
ICC-7230#B	F-PAS-00315

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ICC-7240#B	F-PAS-00820
ICC-7240#B	F-PAS-00900
ICC-7240#B	F-PAS-00905
ICC-7240#B	F-PAS-00910
ICC-7240#B	F-PAS-00945
ICC-7240#B	F-PAS-00950
ICC-7250#B	F-FUI-04100
ICC-7250#B	F-PAS-00140
ICC-7250#B	F-PAS-00153
ICC-7250#B	F-PAS-00355
ICC-7250#B	F-PAS-00365
ICC-7250#B	F-PAS-00415
ICC-7250#B	F-PAS-00900
ICC-7250#B	F-PAS-00905
ICC-7250#B	F-PAS-00910
ICC-7250#B	F-PAS-00940
ICC-7250#B	F-PAS-00945
ICC-7250#B	F-PAS-00950
ICC-7270#B	F-PAS-00160
ICC-7270#B	F-PAS-00165
ICC-7270#B	F-PAS-00170
ICC-7270#B	F-PAS-00175
ICC-7270#B	F-PAS-00180
ICC-7270#B	F-PAS-00185
ICC-7270#B	F-PAS-00195
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NI-0020#A	F-FOS-00320
NI-0030#A	F-FOS-00320
NI-0310-b#B	F-FOS-00320
NI-0340-b#B	F-PAS-00137
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ICC-6070#A	F-RMS-00020
EOC-4060#A	F-RMS-04020
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EOC-5030#A	F-RMS-04120
EOC-8100#A	F-RMS-04120
ICC-6030#A	F-RMS-04120
NI-0160#A	F-RMS-04120
EOC-7010#A	DMS-00110
EOC-7010#A	DMS-00120
EOC-7010#A	DMS-00130
EOC-7010#A	DMS-00140
EOC-7010#A	DMS-00150
EOC-7010#A	DMS-00160
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NI-0020#A	F-CMD-01120
ASTER-0520#B	F-FUI-06205
EOC-8372#B	F-FUI-03050
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NI-0150-a#B	F-RMS-04020
NI-0150-a#B	F-RMS-04120
NI-0160#A	F-RMS-04100
NI-0160#A	F-RMS-04110
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NI-0160#B	F-RMS-04085
NI-0160#B	F-RMS-04090
NI-0160#B	F-RMS-04120
EOC-4060#B	F-RMS-04010
EOSD1505#B	F-PAS-00137
EOSD1505#B	F-FOS-00325
EOSD1505#B	F-DMS-01010
EOSD1505#B	F-DMS-01020
ICC-0040#B	F-PAS-00010
ICC-0040#B	F-PAS-00015
ICC-2020#B	F-PAS-00335
ICC-2020#B	F-PAS-00350
ICC-2180#B	F-PAS-00605
ICC-2180#B	F-FUI-04290
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ICC-2450#B	F-PAS-00350

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ICC-3020#B	F-FUI-04090
ICC-3020#B	F-FUI-04140
ICC-3020#B	F-FUI-01310
EOC-2420#B	F-PAS-10400
EOC-4018#A	F-CMD-03125
EOC-4018#B	F-CMD-03125
EOC-3160#A	F-CMS-01150
EOC-3160#B	F-CMS-01150
EOC-9025#A	F-DMS-01230
EOC-9025#B	F-DMS-01230
EOC-9080#A	F-DMS-01240
EOC-9080#B	F-DMS-01240
EOC-9025#A	F-DMS-01250
EOC-9025#B	F-DMS-01250
EOC-9025#A	F-DMS-01260
EOC-9025#B	F-DMS-01260
EOSD2400#B	F-FOS-00465
EOSD2400#B	F-FOS-00470
EOSD2400#B	F-FOS-00475
EOSD2400#B	F-FOS-00480
EOC-9020#A	F-FUI-01310
EOC-9020#B	F-FUI-01310
EOC-9010#A	F-FUI-01315
EOC-9010#B	F-FUI-01315
EOC-9040#A	F-FUI-06337
EOC-9040#B	F-FUI-06337
EOC-9020#A	F-FUI-09170
EOC-9020#B	F-FUI-09170
FOS-0040#B	F-FUI-12800
EOC-2040#B	F-PAS-00420
EOSD0545#C	F-FOS-00610
FOS-0040#C	F-FOS-00610
FOS-0050#C	F-FOS-00610
EOSD5410#C	F-FOS-00620
FOS-0040#C	F-FOS-00620
FOS-0050#C	F-FOS-00620
EOC-2010#B	F-PAS-00925
FOS-0040#B	F-PAS-00925
ICC-0010#B	F-PAS-00925
EOC-2010#B	F-PAS-00930
FOS-0040#B	F-PAS-00930

RBR paragraph_id	L4_paragraph_id
F-PAS-10450	ASTER-0260#B
F-PAS-10450	EOC-2620#B
F-PAS-10560	ASTER-0220#B
F-PAS-10560	ASTER-0230#B
F-PAS-10560	ASTER-0250#B
F-PAS-10560	ASTER-0260#B
F-PAS-10560	EOC-2620#B
F-PAS-10560	EOC-2350#B
F-PAS-10565	ASTER-0230#B
F-PAS-10565	ASTER-0260#B
F-PAS-10565	EOC-2620#B
F-PAS-10565	EOC-2350#B
F-PAS-10570	EOC-2430#B
F-PAS-10570	EOC-2630#B
F-PAS-10575	EOC-2430#B
F-PAS-10575	EOC-2630#B

**Attachment 9****Delete Link FOS L4 to Test Class****CCR #96-0515B****RTM Baseline Version 5/03/96****Query Date 5/6/96**

L4 Paragraph ID	Test Case paragraph_id
F-RMS-01040	CMD-2130B
F-RMS-01040	SYS-2060B
F-RMS-01050	SYS-2010B
F-RMS-01050	SYS-2060B
F-CMD-03420	CMD-1000A
F-CMD-03420	CMD-1020A
F-CMD-03420	CMD-1040A
F-PAS-00620	SCH-2320A
F-PAS-00825	SCH-2330A
F-PAS-00825	SCH-2360A
F-PAS-00110	SCH-2015B
F-PAS-00110	SCH-2210B
F-PAS-00830	SCH-2080A
F-PAS-10003	SCH-2000B
F-PAS-10005	SCH-2260B
F-PAS-10007	SCH-2260B
F-PAS-10315	SCH-2070A
F-PAS-10315	SCH-2390A
F-PAS-10315	SCH-2510A
F-PAS-10540	SCH-2210B
F-PAS-10545	SCH-2210B
F-PAS-10550	SCH-2210B
F-PAS-10555	SCH-2210B
F-PAS-10620	SCH-2240B
F-TLM-00520	TLM-2010A
F-TLM-00545	TLM-2010A
F-TLM-01525	TLM-1110B
F-TLM-01530	TLM-1120B
F-TLM-01535	TLM-1120B
F-TLM-01810	TLM-1010B
F-TLM-01810	TLM-1150B
F-TLM-01815	TLM-1150B
F-TLM-01820	TLM-1150B
F-TLM-01835	TLM-1150B
F-TLM-10436	TLM-2010A
F-TLM-10480	TLM-2010A
F-TLM-10485	TLM-2010A
F-TLM-10565	TLM-2000A
F-TLM-10585	TLM-2240A
F-TLM-11525	TLM-1110B
F-FUI-05305	SCH-2040B

L4 Paragraph ID	Test Case paragraph_id
F-FUI-05310	SCH-2040B
F-FUI-05320	SCH-2040B
F-FUI-05325	SCH-2040B
F-FUI-05330	SCH-2040B
F-FUI-12315	TLM-2050B
F-FUI-09180	ANA-2000A

**Attachment 10****Delete Link FOS L4 to Component Class****CCR #96-0515B****RTM Baseline Version 5/03/96****Query Date 5/6/96**

L4 Paragraph ID	Component paragraph_id
F-RMS-01040	FrGrRequest
F-RMS-01050	FrGrRmsFuiRequestProxy
F-RMS-01050	FrGrRequest
F-CMD-03420	FeCdCmdController
F-CMD-03420	FeCdRtCmd
F-PAS-00620	FplsAppl
F-PAS-00620	FplsWin
F-PAS-00620	FpFsAsterFilter
F-PAS-00620	FpFsAsterCfg
F-PAS-00620	FpFsSrmCliNoid
F-PAS-00825	FpCrAppl
F-PAS-00110	FpPtPostScript
F-PAS-00110	FpTlZmBar
F-PAS-00110	FptlPlanWinChgr
F-PAS-00830	FpCrAppl
F-PAS-00830	FpCrSelectionPanel
F-PAS-00830	FpCrLateChangePanel
F-PAS-10003	FpLIIngestAppl
F-PAS-10005	FpLIIngestAppl
F-PAS-10007	FpLIIngestAppl
F-PAS-10315	FpReTIR
F-PAS-10315	FpReSWIR
F-PAS-10315	FpReVNIR
F-PAS-10315	FpReInstrState
F-PAS-10315	FpFsAsterFilter
F-PAS-10315	FpFsAsterCfg
F-PAS-10540	FpReMISR
F-PAS-10540	FpReInstrState
F-PAS-10545	FpReMODIS
F-PAS-10545	FpReInstrState
F-PAS-10550	FpReMOPITT
F-PAS-10550	FpReInstrState
F-PAS-10555	FpReTIR
F-PAS-10555	FpReSWIR
F-PAS-10555	FpReVNIR
F-PAS-10555	FpReInstrState
F-PAS-10555	FpFsAsterFilter
F-PAS-10555	FpFsAstCfg
F-PAS-10555	FpFsSrmCliNoid
F-PAS-10620	FpUsAppl
F-PAS-10620	FpUSWindow

L4 Paragraph ID	Component paragraph_id
F-PAS-10620	FpUSInfoPanel
F-TLM-00520	FtTIDecom
F-TLM-00520	FtTtRawMap
F-TLM-00545	FtTIDecom
F-TLM-00545	FtTtRawMap
F-TLM-01525	FdArTlmArchProxy
F-TLM-01525	FtTIEdu
F-TLM-01530	FdArPbkMerger
F-TLM-01535	FdArPbkMerger
F-TLM-01810	FtTTelemetryController
F-TLM-01810	FtTIDecom
F-TLM-01815	FoPmParamMon
F-TLM-01820	FtTIParameterTable
F-TLM-01835	FtTIParameterTable
F-TLM-01835	PsClientIF
F-TLM-10436	FtTIEdu
F-TLM-10480	FtTIEdu
F-TLM-10485	FtTIEdu
F-TLM-10565	FtTTelemetryController
F-TLM-10585	FtTTelemetryController
F-TLM-11525	FtTIEdu
F-FUI-05305	FuCeGrndScriptDisplayWin
F-FUI-05310	FuCeGrndScriptDisplayWin
F-FUI-05320	FuCeGrndScriptDisplayWin
F-FUI-05325	FuCeGrndScriptDisplayWin
F-FUI-05330	FuCeGrndScriptDisplayWin
F-FUI-12315	FuReReplayCtrWin
F-FUI-09180	FuAnBuildHistoryRequest